



## Certificate in Solidity

**Vskills Certifications**

Vskills Brochure



Skills for a secure future

# Certificate in Solidity

Solidity is a high-level programming language primarily used for writing smart contracts on blockchain platforms, notably Ethereum. Smart contracts are self-executing contracts with the terms of the agreement directly written into code. Solidity allows developers to create these smart contracts, defining rules and functionalities for decentralized applications (dApps) on the Ethereum network.

**Note:** Please note that only assessment is provided and no learning resources will be provided.

## Why should one take Certificate in Solidity?

Solidity's importance and relevance stem from its role in facilitating the creation of decentralized applications and enabling the execution of secure and transparent transactions without intermediaries. Solidity helps developers implement business logic, encode contractual agreements, and automate various processes within blockchain networks.

Vskills Certificate in Solidity provides a hands-on approach to understand the nuances of blockchain development.

The certification attests to your understanding and applying skills and knowledge in Solidity and helps you to stand out amongst your peers to help in gaining better career prospects.

## Who will benefit from taking Certificate in Solidity?

Developers interested in blockchain technology, smart contract development, and decentralized applications, will benefit immensely by opting for Vskills Certificate in Solidity to gain an edge in the Solidity and be noticeable amongst their colleagues as well as make progress in their respective careers.

Students taking the certification also gain by showcasing their understanding of Solidity and are able to increase their job opportunities.

## Test Details

- **Duration:** 60 minutes
- **No. of questions:** 50
- **Maximum marks:** 50, Passing marks: 25 (50%)

There is no negative marking in this module.

## Fee Structure

Rs. 1,999/- (Excludes taxes)\*

\*Fees may change without prior notice, please refer <http://www.vskills.in> for updated fees

## Companies that hire Vskills Certificate in Solidity Professionals

Companies specializing in blockchain or software development are constantly hiring skilled Solidity professionals. IT companies, Consulting firms, Financial institutions and enterprises hire Solidity professionals for blockchain application development related tasks. Companies employing Solidity professionals include Google, TCS, Accenture, IBM, Tech Mahindra, GE, Amex, Deloitte, Wipro, TCS, etc.

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## **1. Smart Contract Basics and Solidity**

- 1.1 What Is a Smart Contract - Solidity
- 1.2 What Is an IDE - Remix Ethereum
- 1.3 Remix Ethereum - IDE Basics (How to Use an IDE)
- 1.4 Exercise - Get Familiar with the Remix Ethereum IDE
- 1.5 What Are Comments in Solidity
- 1.6 Why Comments Are Important

## **2. Introduction to Solidity**

- 2.1 Solidity for Beginners - Welcome to Your New Journey!
- 2.2 Copy and Paste Your First Smart Contract
- 2.3 Compile and Deploy Your First Smart Contract
- 2.4 Exercise - Reconfigure a Solidity Smart Contract
- 2.5 Solution - Reconfigure a Solidity Smart Contract
- 2.6 Introduction to Pragma Solidity (Compiling Versions)
- 2.7 How to Understand Pragma Solidity
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## **3. Solidity - Basics**

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- 3.3 Writing Solidity Variables
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## Certifications

- ▶ **Accounting, Banking & Finance**
  - Certified GST Professional
  - Certified AML- KYC Compliance Officer
  - Certified Business Accountant
  - Certified BASEL III Professional
  - Certified GAAP Accounting Standards Professional
  - Certified Treasury Markets Professional
- ▶ **Big Data**
  - Certified Hadoop and Mapreduce Professional
- ▶ **Cloud Computing**
  - Certified Cloud Computing Professional
- ▶ **Design**
  - Certified Interior Designer
- ▶ **Digital Media**
  - Certified Social Media Marketing Professional
  - Certified Inbound Marketing Professional
  - Certified Digital Marketing Professional
- ▶ **Foreign Trade**
  - Certified Export Import (Foreign Trade) Professional
- ▶ **Health, Nutrition and Well Being**
  - Certified Fitness Instructor
- ▶ **Hospitality**
  - Certified Restaurant Team Member (Hospitality)
- ▶ **Human Resources**
  - Certified HR Compensation Manager
  - Certified HR Staffing Manager
  - Certified Human Resources Manager
  - Certified Performance Appraisal Manager
- ▶ **Office Skills**
  - Certified Data Entry Operator
  - Certified Office Administrator
- ▶ **Project Management**
  - Certified Master in Project Management
  - Certified Scrum Specialist
- ▶ **Real Estate**
  - Certified Real Estate Consultant
- ▶ **Marketing**
  - Certified Marketing Manager
- ▶ **Quality**
  - Certified Six Sigma Green Belt Professional
  - Certified Six Sigma Black Belt Professional
  - Certified TQM Professional
- ▶ **Logistics & Supply Chain Management**
  - Certified International Logistics Professional
  - Certified Logistics & SCM Professional
  - Certified Supply Chain Management Professional
- ▶ **Legal**
  - Certified IPR & Legal Manager
  - Certified Labour Law Analyst
  - Certified Business Law Analyst
  - Certified Corporate Law Analyst
- ▶ **Information Technology**
  - Certified Angular JS Professional
  - Certified Basic Network Support Professional
  - Certified Business Intelligence Professional
  - Certified Core Java Developer
  - Certified E-commerce Professional
  - Certified IT Support Professional
  - Certified PHP Professional
  - Certified Selenium Professional
- ▶ **Mobile Application Development**
  - Certified Android Apps Developer
  - Certified iPhone Apps Developer
- ▶ **Security**
  - Certified Ethical Hacking and Security Professional
  - Certified Network Security Professional
- ▶ **Management**
  - Certified Corporate Governance Professional
  - Certified Corporate Social Responsibility Professional
  - Certified Leadership Skills Professional
- ▶ **Life Skills**
  - Certified Business Communication Specialist
  - Certified Public Relations Officer
- ▶ **Media**
  - Certified Advertising Manager
  - Certified Advertising Sales Professional
- ▶ **Sales, BPO**
  - Certified Sales Manager
  - Certified Telesales Executive

**& many more job related certifications**

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