

Question's To Prepare

All you need to do is prepare these questions for you to clear round 1, So buckle up and prepare to fight!

- [1. In the epic Ramayana, which bird tried to prevent Ravana from carrying Sita away?](#)

Jatayu

- [2. In Hindu mythology, who is the god of death?](#)

Yama

- [3. Yama, the god of death in Hinduism, uses what animal as his transport?](#)

Buffalo

- [4. Who wrote the Mahabharata?](#)

Lord Ganesh

- [5. Which Indian festival is celebrated once every twelve years?](#)

Kumbhamela

- [6. Who is the god of fertility, wealth and cattle?](#)

Pushan

- [7. Who is a moon goddess whose name means 'divine favor'?](#)

Anumati

- [8. Who was an ancient goddess who existed from before the beginning of time?](#)

Ammavaru

- [9. What animal is, are Ganapathi's vehicle?](#)

Mouse

- [10. Who is the god of the sun and brother of Varuna?](#)

Mitra

- [11. Who is the goddess of speech, wisdom and learning?](#)

Saraswati

- [12. Who once was the god of storms, winds and Death?](#)

Rudra

- [13. She has four arms, representing the four spiritual virtues. Who is this goddess?](#)

Lakshmi

- [14. Who is the god of the Pole Star?](#)

Dhruva

- [15. Who were the male guardians of the air, forests and mountains?](#)

Gandharvas

- [16. As a form of Parvati, this goddess lured demons to their death. Who is she?](#)

Ambika

- [17. Who is the female half of Brahma?](#)

Satrap

- [18. Lord Dattatreya is confluence of Bramha, Vishnu and who else?](#)

Maheshwara

- [19. Vishnu is a dwarf in which of his avatars?](#)

Vamana

- [20. According to Ramayana who was Lakshmana's mother?](#)

Sumitra

- [21. Is it possible to run program without main\(\) function?](#)

Ideally No but remember pragma directives allows few function to be executed before and after main() function

- [22.How many main\(\) function we can have in our project?](#)

We can't have more than one main() function in a project.

- [23.Who invented Java language?](#)

James Gosling along with his team members Mike Sheridan and Patrick Naughton developed Java language.

- [24.Is it true that a function may have several declaration, but only one definition.](#)

True:Declaration like `int sum(int, int);` is allowed number of times but definition `int sum(int a, int b) { return a+b; }` is allowed only one time. Multiple definition of same function is compilation error (redefinition error)

- [25.Is the following statement a declaration or definition `extern int i;`](#)

Declaration

- [26.Which programming language is more faster among these?](#)

Execution flow (faster to slower) Binary -> Assembly -> C -> C++ > Java / PHP / VB

- [27.When C Language was invented?](#)

1972

- [28.The concept of two functions with same name is know as?](#)

Function Overloading

- [29.Can we declare function inside structure of C Programming?](#)

No, C doesn't support but C++

- [30.What is the job of Assembler in C programming?](#)

It converts a assembly language program into machine language

- [31.The name "JAVA" is known to the world as?](#)

An Island in Indonesia, Indonesia is a group of Volcanic Islands with Java sea on one side.

- [32.Which company owns Java at present?](#)

Oracle acquired Sun Microsystems in the year 2010.

- [33.Which laboratory was Java invented or developed in?](#)

Sun Microsystems

- [34.Which compilation unit is responsible for adding header files content in the source code?](#)

Preprocessor

- [35. What is the Latest Version of C Language?](#)

C18 (previously known as C17) is the informal name for ISO/IEC 9899:2018, the most recent standard for the C programming language, published in June 2018. It replaced C11 (standard ISO/IEC 9899:2011).

- [36. The ASCII code of '0' \(zero\) is?](#)

48D

- [37.What is the original name of Java Programming language?](#)

OAK, Java was named after an OAK tree outside James Gosling's office.

- [38. Numbers are stored and transmitted inside a computer in which format?](#)

Binary form

- [39.Is it possible to return two values by any function?](#)

No, Function can return only one value. If you want to return group of values then create a structure and return it.

- [40.Java is a Successor to which programming language?](#)

C++, it introduced OOPs (Object Oriented Programming) concepts which are adopted by Java.

Coding Programs for preparation:

1. How do you find the largest and smallest number in an unsorted integer array? [med]
2. How do you find all permutations of a string? [med]
3. To check if two numbers are equal without using arithmetic operators or comparison operators. [super short]
4. Print Hello World without semicolon within double quotes. [super short]
5. Write a program to print your name 15 times without using any loop or goto statement [super short]
6. Program to print source code as program output[short]
7. Write a program to keep calculate the sum of the digits of a number until the number is a single digit[short]
8. Check if Armstrong Number[short]
9. [med]

Program to print following pattern [FIY: both are separate programs]

Examples :

Input : 5

Output:

```
*           *  or  * * * * * * * * *
* *           * *  * * * *   * * * *
* * *         * * *  * * *   * * *
* * * *       * * * * * * *   * *
* * * * * *   * * * * * *   *
* * * * * *   * * * * * *   *
* * * *       * * * *   * *
* * *         * * *   * * *
* *           * *   * * * *
*             *    * * * * *
*             *    * * * * *
```

- 10.To display the Fibonacci sequence of first n numbers[short]
- 11.To calculate the factorial of a number entered by the user. [short]
- 12.To check whether two strings are anagrams or not. [med]
- 13.Calculate the angle between hour hand and minute hand. [med]
14. Write a Program to swap two numbers without third variable. [super short]