

PYTHON QUESTION

1. Python Basics – Coding Questions (10)

1. Write a program to print **Hello World**.
 2. Write a program to take **name and age** as input and print them.
 3. Write a program to **add two numbers** entered by the user.
 4. Write a program to **swap two numbers**.
 5. Write a program to find **square and cube** of a number.
 6. Write a program to check **data type of a variable**.
 7. Write a program to convert **int to float**.
 8. Write a program to calculate **area of a circle**.
 9. Write a program to print **ASCII value** of a character.
 10. Write a program to take **3 inputs and print their sum**.
-

2. Operators – Coding Questions (10)

1. Write a program to perform **all arithmetic operations**.
2. Write a program to check **greater of two numbers**.
3. Write a program to check **number is divisible by 5 or not**.
4. Write a program using **logical operators**.
5. Write a program to check **even or odd using operators**.
6. Write a program to compare two numbers using **relational operators**.

7. Write a program to demonstrate **assignment operators**.
 8. Write a program to check **membership operator (in)**.
 9. Write a program to check **equality using ==**.
 10. Write a program to find **remainder** of two numbers.
-

3. Conditional Statements – Coding Questions (10)

1. Write a program to check **even or odd**.
 2. Write a program to check **positive, negative or zero**.
 3. Write a program to find **largest of two numbers**.
 4. Write a program to find **largest of three numbers**.
 5. Write a program to check **leap year**.
 6. Write a program to check **vowel or consonant**.
 7. Write a program to calculate **grade based on marks**.
 8. Write a program to check **eligibility for vote**.
 9. Write a program using **nested if**.
 10. Write a program to check **pass or fail**.
-

4. Loops (for & while) – Coding Questions (10)

1. Print numbers **1 to 10** using for loop.
2. Print numbers **1 to 10** using while loop.

3. Print **even numbers** from 1 to 20.
 4. Print **odd numbers** from 1 to 20.
 5. Find **sum of first N natural numbers**.
 6. Find **factorial of a number**.
 7. Print **multiplication table** of a number.
 8. Reverse a number using loop.
 9. Count digits in a number.
 10. Print a **star pattern**.
-

5. Functions – Coding Questions (10)

1. Write a function to **add two numbers**.
2. Write a function to find **square of a number**.
3. Write a function to find **factorial**.
4. Write a function to check **prime number**.
5. Write a function to check **even or odd**.
6. Write a function to return **maximum of two numbers**.
7. Write a function to calculate **simple interest**.
8. Write a function to **reverse a number**.
9. Write a function to **count digits**.
10. Write a function with **return statement**.

6. Strings – Coding Questions (10)

1. Write a program to **print a string**.
 2. Write a program to **find length of string**.
 3. Write a program to **reverse a string**.
 4. Write a program to **count vowels** in string.
 5. Write a program to **check palindrome string**.
 6. Write a program to **convert string to uppercase**.
 7. Write a program to **count words in string**.
 8. Write a program to **remove spaces from string**.
 9. Write a program to **find a character in string**.
 10. Write a program to **replace a word in string**.
-

7. Lists & Tuples – Coding Questions (10)

1. Write a program to **create a list**.
2. Write a program to **add elements to list**.
3. Write a program to **find sum of list elements**.
4. Write a program to **find maximum in list**.
5. Write a program to **remove element from list**.
6. Write a program to **reverse a list**.

7. Write a program to **count elements in list**.
 8. Write a program to **create a tuple**.
 9. Write a program to **access tuple elements**.
 10. Write a program to **convert list to tuple**.
-

8. Dictionary – Coding Questions (10)

1. Write a program to **create a dictionary**.
 2. Write a program to **add key-value pair**.
 3. Write a program to **access dictionary value**.
 4. Write a program to **print all keys**.
 5. Write a program to **print all values**.
 6. Write a program to **update dictionary**.
 7. Write a program to **delete an element**.
 8. Write a program to create **student record dictionary**.
 9. Write a program to **check key exists or not**.
 10. Write a program to **iterate dictionary using loop**.
-

9. File Handling – Coding Questions (10)

1. Write a program to **create a file**.
 2. Write a program to **write data into file**.
 3. Write a program to **read data from file**.
 4. Write a program to **append data to file**.
 5. Write a program to **count lines in file**.
 6. Write a program to **copy one file to another**.
 7. Write a program to **read file line by line**.
 8. Write a program to **check file exists or not**.
 9. Write a program to **close a file properly**.
 10. Write a program to **count words in file**.
-

10. Exception Handling – Coding Questions (10)

1. Write a program to handle **division by zero**.
2. Write a program using **try-except**.
3. Write a program using **try-except-finally**.
4. Write a program to handle **invalid input**.
5. Write a program to catch **ValueError**.
6. Write a program to catch **IndexError**.
7. Write a program with **multiple except blocks**.
8. Write a program to handle **file not found error**.

9. Write a program to raise an exception manually.
10. Write a program to demonstrate **exception handling**.