**Interview Questions:**

**Python :**

Conditional Statements:

1. Write a Python program that checks if a given number is positive, negative, or zero.

Solution- def a(num):

if num>0:

print(num)

print("The Number Is Positive")

elif num<0:

print(num)

print("The Number is Negative")

else:

print(num)

print("zero")

number=float(input("Enter A Number"))

a(number)

1. Create a program that asks the user for a number and prints "Even" if it's divisible by 2, otherwise prints "Odd".

Solution- def a(b):

if b%2==0:

print("Even")

elif b%2!=0:

print("odd")

number=float(input("Enter a number"))

a(number)

1. Write a program that determines whether a given year is a leap year or not.

Solution- def leaf\_year(year):

if ( year % 4 == 0 and year % 100 != 0 ):

print("Leap Year")

else:

print("Not An Leap Year")

year=int(input("Enter The Year"))

leaf\_year(year)

1. Create a program that compares two numbers and prints the larger one.

Solution- def a(b,c):

if b>c:

print(b)

else:

print(c)

num1=input("Enter A Number")

num2=input("Enter A Number")

a(num1,num2)

5. Write a Python program that checks if a given character is a vowel or a consonant.

Solution- def checks(char):

vowels="aeiouAEIOU"

if char.isalpha() and len(char)==1:

if char in vowels:

print(char,"is a vowels")

else:

print(char,"is a consonant")

else:

print("Please Enter A Single Alphabet Character.")

character = input("Enter A Character")

checks(character)