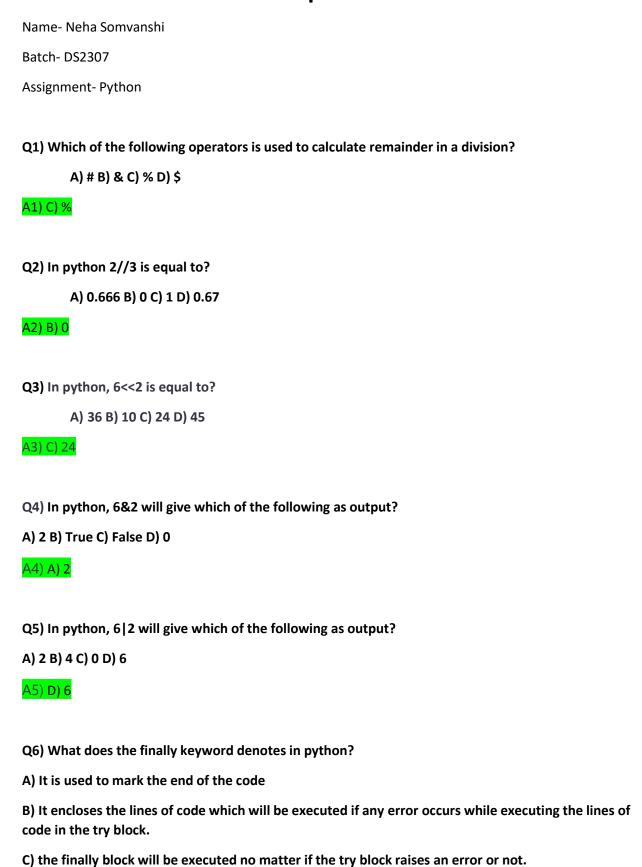
Flip Robo



Flip Robo

A6) C) the finally block will be executed no matter if the try block raises an error or not.

- Q7) What does raise keyword is used for in python?
- A) It is used to raise an exception.
- B) It is used to define lambda function
- C) it's not a keyword in python.
- D) None of the above
- A7) A) It is used to raise an exception.
- Q8) Which of the following is a common use case of yield keyword in python?
- A) in defining an iterator
- B) while defining a lambda function
- C) in defining a generator
- D) in for loop
- A8) C) in defining a generator
- Q9) Which of the following are the valid variable names? Choose all the correct options to answer your question
- A) _abc B) 1abc C) abc2 D) None of the above

A9) A) _abc

C) abc2

- Q10) Which of the following are the keywords in python?
 - A) yield B) raise C) look-in D) all of the above

A10) A) yield B) raise

```
In [8]: #Q11 Write a python program to find the factorial of a number.
        import math
        number = 5
        factorial = math.factorial(number)
        print("Factorial:", factorial)
        Factorial: 120
In [10]: #Q12 Write a python program to find whether a number is prime or composite
        from sympy import isprime
        num = 7
        if isprime(num):
            print(num, "is a prime number.")
            print(num, "is a composite number.")
        7 is a prime number.
In [16]: #Q13 Write a python program to check whether a given string is palindrome or not.
        string = "radar"
        if string == string[::-1]:
            print("The string is a palindrome.")
            print("The string is not a palindrome.")
        The string is a palindrome.
In [17]: #Q14 Write a Python program to get the third side of right-angled triangle from two g
        import math
        side1 = 3
        side2 = 4
        side3 = math.hypot(side1, side2)
        print("The length of the third side is:", side3)
        The length of the third side is: 5.0
In [20]: #Q15 Write a python program to print the frequency of each of the characters present
        from collections import Counter
        input string = "hello"
        for char, count in Counter(input_string).items():
            print(f"'{char}': {count}")
```

```
'h': 1
'e': 1
'l': 2
'o': 1
```

In []: #END