

Python Coding Test for DDUGKY

Marks: 50

Time: 1hour 30minutes

1. Write a program to print the decimal equivalents of $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \dots, \frac{1}{10}$. **4**
2. Write a program to print the following pattern: **4**

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*****
*****
*****
***
*
```

3. Write a program to find the distinct pair of numbers whose product is odd from a list of integers. **3**
4. Write a program to count the occurrences of a word in a given sentence. **3**
5. Write a program to create a list from two given lists 'list1' and 'list2' of numbers such that it contains numbers that are present in 'list2' but not in 'list1'. **4**
6. Write a program to find the sum of the even-valued terms of the Fibonacci series up to 100. **5**
7. Write a program that prompts user to enter numbers. This process repeats until the user enters -1. Finally, the program prints the count of prime and composite numbers entered. **5**
8. Write a Program to display "Hello" if a number entered by user is a multiple of five, otherwise print "Bye". **3**
9. Write a Program to display the last digit of a number. **3**
10. Write a program to display all prime numbers within a range. **3**
11. Find the first occurrence of a number in a list using loop. **4**
12. Find the common elements in two lists using loop. **3**
13. First make a list1. Create a new list2 such that Add 10 to the even number and multiply with 5 if it is an odd number in the list1. **4**
14. Write a python program for removing i-th character from a string. **2**