Bhaskaracharya Innovation and Life Skills Center

Course: Artificial Intelligence

Python Questions: (Programming)

1.Print all the even numbers between 1 to 20 (1 and 20 included).

2.Consider an electricity billing scheme below:

- If unit consumed <= 100 then cost per unit is Rs 3.46
- If unit consumed >= 101 and <= 300 then cost per unit is Rs 7.43
- If unit consumed >= 301 and <= 500 then cost per unit is Rs 10.32

Print the total bill amount for a user who enters the electricity bill units between 0 to 500 (No value above 500)

3.Find the given number is odd or even

4.Find the given number is prime or not

5.Display all the prime numbers between a range given by user (Example if user gives range 0 to 10, all prime numbers from 1 to 10 should be displayed)

6.Create a list of form [2,2,5,4,6,2,1] do the below operations:

a. Display the element at 5th index

b. Enter value '2' at 3rd position of the list

c. Display all elements in list and also find the sum of elements present in the list

d. Remove the element 1 from the list

7.Create a list and check custom datatypes can be placed in list and do the basic operations in it (Indexing, adding, removing). (Check whether a single list can hold different datatypes like integer, float, string)