**Assignment -4**

Python Programming

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| Assignment Date | 23 September 2022 |
| Student Name | SAKTHI GANESH M |
| Student Roll Number | 820419104055 |
| Maximum Marks | 2 Marks |

**Question-1:**

**Write a python program to test a given number is prime or not**

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| **Solution:** |
| num = int(input("Enter a number: "))  if num > 1:  for i in range(2,num):  if (num % i) == 0:  print(num,"is not a prime number")  print(i,"times",num//i,"is",num)  break  else:  print(num,"is a prime number")  else:  print(num,"is not a prime number") |
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**Question-2:**

**write a program to generate odd numbers from m to n using while loop**.

**Solution:**

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|  |  | Start=int(input(“Enter Start of Range:” ) )  end=int(input(“Enter End of Range:” ) ) |
|  |  | For num in range(start, end+1):  If num % 2 !=0:  Print(num) |
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|  |  | **Question-3:**  **Write a python program to display prime number series upto a given number.**  **Solution:**  upto = int(input("Find prime numbers upto : "))  for num in range(2, upto + 1):  i = 2  for i in range(2, num):  if(num % i == 0):  i = num  break;  if(i != num):  print(num) |
|  |  | **Question-4:**  **Write a python program to generate Fibonacci series**  **Solution:**  nterms = int(input("How many terms? "))  n1, n2 = 0, 1  count = 0  if nterms <= 0:  print("Please enter a positive integer")  elif nterms == 1:  print("Fibonacci sequence upto",nterms,":")  print(n1)  else:  print("Fibonacci sequence:")  while count < nterms:  print(n1)  nth = n1 + n2  n1 = n2  n2 = nth  count += 1 |
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