**C Programming and Data Structures**

**Computer Science and Technology-B**

**Week 4**

**4(a) Write a C program to find the series of prime numbers in the given range.**

#include<stdio.h>

void main()

{

int a,u,i;

printf("Enter range ");

scanf("%d",&u);

for(a=2;a<=u;a++)

{

i=2;

while(a%i!=0)

{

i=i+1;

}

if(a==i)

{

printf("\n%d",a);

}

}

}

**Output:**

Enter range 15

2

3

5

7

11

13

**4(b) Write a C program to Check Whether a Number is Palindrome or Not.**

#include<stdio.h>

void main()

{

int n,temp,r,reverse=0;

printf("Enter value ");

scanf("%d",&n);

temp=n;

while(n>0)

{

r=n%10;

reverse=(reverse\*10)+r;

n/=10;

}

if(temp==reverse)

{

printf("Given number is Palindrome");

}

else

{

printf("Given number is not Palindrome");

}

}

**Output:**

Enter value 45654

Given number is Palindrome