

# C assignments – Day 12 (8-Sept-2022)

Name – Shreyas Raju Awankar

Que1- Write a program to print numbers from 20 to 50

```
#include <stdio.h>

void main()
{
    int a = 20;
    while (a <= 50)
    {
        printf("%d \t", a);
        a++;
    }
}
```

Que2- Write a program to print all the even numbers up to 100.

```
#include <stdio.h>

void main()
{
    int a = 0;
    while (a <= 100)
    {
        if (a % 2 == 0)
        {
            printf("%d \t", a);
        }
        a++;
    }
}
```

Que3- Write a program to print all the odd numbers up to a given number.

```
#include <stdio.h>

void main()
{
    int a, b = 0;
    printf("Enter your number: \n");
    scanf("%d", &a);
```

```

while (b <= a)
{
    if (b % 2 != 0)
    {
        printf("%d \t", b);
    }
    b++;
}
}

```

Que4- Write a program to print all the odd numbers up to two given numbers in descending order.

```

#include <stdio.h>

void main()
{
    int a, b;
    printf("Enter two numbers \n");
    scanf("%d%d", &a, &b);
    if (a > b)
    {
        while (b <= a)
        {
            if (a % 2 != 0)
            {
                printf("%d \t", a);
            }
            a--;
        }
    }
    else
    {
        while (a <= b)
        {
            if (b % 2 != 0)
            {
                printf("%d \t", b);
            }
            b--;
        }
    }
}
}

```

Que5- Write a program to read two numbers from the user. If the first number is greater than the second number, then print all the numbers between these two numbers including them in gap of 3 otherwise print in gap of 4.

```
#include <stdio.h>

void main()
{
    int a,b;
    printf("Enter two numbers \n");
    scanf("%d%d",&a,&b);
    if (a>b){
        while(b<=a){
            if(b%3==0){
                printf("%d \t", b);
            }
            b++;
        }
    }
    else{
        while(a<=b){
            if(a%4==0){
                printf("%d \t", a);
            }
            a++;
        }
    }
}
```