Lab Exercise – Week 3

Startup

Open a terminal(Ctrl+Alt+t)

```
Cd CS1020
mkdir Week3
cd Week3
```

Experiment 1.

An outline of a C program for finding the sum of first n terms of an AP is given below.Fill in the missing parts.

```
#include<stdio.h>
int main()
{
            int a,n,d,sum;
            printf("Enter the first term of the AP\n");
            scanf("%d",&a);
            printf("Enter the common difference of the Ap\n");
            ---------------------------;
            printf("Enter the value of n\n");
            ---------------------------;
            sum = n/2*(-----+(-----)*-----);
            printf("sum of n terms of the Ap is %d\n",sum);
            return 0;
}
```

Experiment 2.

Write a program to calculate the grade of a student by taking mark as input and grade as output.

[If mark >= 90 print A , if mark < 90 print B , if mark < 80 print C and so on and if mark < 40 print "fail".]

Experiment 3.

Write a C program to find the middle number out of the 3 numbers given.

Hint: Use the logic of max and min program

Experiment 4.

Write a C program to print the grade points of given grade using the switch case.

Homework:

Write a C program to find the median of 5 numbers