NAME: Kizhakel Sharan Prasad
USN: 1BM19CS074

DS - LAB - 1

Experiment - 1.

WAP for the below given scenario:
A university want to automate their admission process. Students are admitted based on the marks scored in a qualifying exam.
A student is identified by student-id, age, marks in a qualifying exam. Data are valid if:

- Age is greater than 20
- Marks is between 0 and 100

A student qualifies for admission if
- Age and marks are valid
- Marks is 65 or more.

WAP to represent students seeking admission in the university -

CODE:

```
#include<stdio.h>
#include<stdlib.h>
struct student
{
  int student_id[50];
  int age;
  int marks;
}student[50];
int main()
{
int n;
printf("\nEnter the number of students:");
scanf("%d",&n);
for(int i=0;i<n;i++)
  {
printf("\nEnter the student-id of the student %d:",i+1);
scanf("%d",&student[i].student_id);
```

NAME: Kizhakkel Sharath Prasad S
USN: 1BM19CS079
Page No.: YOUVA
Date:

```
for (int i=0; i<n; i++)
  {
  printf ("\n Enter the marks of the student %d:", (i+1));
  scanf ("%d", &student[i].marks);
  }
for (int i=0 ; i<n; i++)
    {
    printf ("\n Enter the age of the student %d", (i+1));
    scanf ("%d ", &student[i].age);
    }
for (int i=0; i<n; i++)
    {
     if(student[i].age>20) && (student[i].marks>=0 &&
                    student[i].marks<=100)

          {
            if (student[i].marks >=65)
              {
                printf("\n congratulations student %d
you have been granted admission.", (i+1));
              }
            else
            {
printf("\n sorry student %d you are not eligible \n", (i+1));
            }
      }
    else
    {
    printf ("Sorry student %d you are not eligible \n", (i+1));
    }
    return 0;
  }
```