USN - 1BM19CS181 (VEDIKA DALMIA)

Date 21 Sept, 20
Page

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 and marks in qualifying exam. Data are valid if
i) Age > 20 ii) $0 \leq$ Marks ≤ 100.

A student qualifies for admission if
(i) Age and marks are valid ii) Marks > 65.

```
#include <stdio.h>
struct student
{
    int id;
    int age;
    int marks;
};
void main()
{
    int n,i;
    struct student s[100];
    printf("Enter the number of students\n");
    scanf("%d",&n);
    for(i=0;i<n;i++)
    {
        printf("Enter ID For Student %d:",i+1);
        printf("Enter ID\n");
        scanf("%d",&s[i].id);
        printf("Enter age\n");
        scanf("%d",&s[i].age);
        printf("Enter marks\n");
        scanf("%d",&s[i].marks);
    }
```

Date 21, Sept, 20
Page

IBM19CS181 ; VEDIKA DALMIA

```
for(i=0; i<n; i++)
{
    if(s[i].age<20 || s[i].marks>100
       || s[i].marks<0)
    {
        printf("Student with ID=%d has
                invalid data", s[i].id);
    }
    else if(s[i].marks>=65)
    {
        printf("Student with ID=%d is
                eligible for admission",
                s[i].id);
    }
    else
    {
        printf("Student with ID=%d is
                not eligible for admission",
                s[i].id);
    }
}
}
```