

**Q.** WAP for the below given scenario:

A university wants 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:

- Age is greater than 20
- Marks is between 0 and 100 (both inclusive)

A student qualifies for admission, if

- Age and marks are valid and
- Marks is 65 or more

Write a program to represent the students seeking admission in the university.

### **Program**

```
#include<stdio.h>
#define SIZE 100
    struct student
    {
        int id;
        int age;
        int marks;
    };

void accept_input( struct student s1)
{
    printf("enter the id\n");
    scanf("%d",&s1.id);
    printf("enter the age\n");
    scanf("%d",&s1.age);
    printf("enter the marks\n");
    scanf("%d",&s1.marks);
}
```

```

int main()
{
    struct student s[SIZE];
    int no_of_students,i;

    printf("Please enter no. of students\n");
    scanf("%d",&no_of_students);
    accept_input(s[i]);

    for(i=0;i<no_of_students;i++){
        if(s[i].age>20 && 0<s[i].marks<=100){

            printf("Data valid\n");

        }
        else
        {
            printf("invalid \n ");
        }

    }
}

```

```

for(i=0;i<no_of_students;i++){
    if(s[i].marks>=65){

        printf("qualified for admission \n");

    }
    else{
        printf("not qualified \n");
    }
}
}

```

OUTPUT GIVEN BELOW-

Please enter no. of students

1

enter the id

001

enter the age

23

enter the marks

90

Data valid

qualified for admission

**...Program finished with exit code 0**

**Press ENTER to exit console.**