

D) WAP to automate university submissions

Except Student ID, age & Marks

Date is Valid if, $\text{Age} > 20$; $0 < \text{Marks} < 100$;

Student qualifies if: Age & Marks Valid, $\text{Marks} \geq 65$.

Ans) #include <stdio.h>

struct student

{

int stid;

int age;

int marks;

} s[10];

int main()

{

int i = 0;

char ch = 'y';

printf("Merit list printed after every student
has submitted details\n");

do

{

printf("Enter Student ID details\n", i);

printf("Enter Student ID\n");

scanf("%d", &s[i].stid);

printf("Enter Age\n");

scanf("%d", &s[i].age);

printf("Enter Student Marks\n");

scanf("%d", &s[i].marks);

if (s[i].marks > 100 || s[i].marks < 0)

{

```

    int i;
    printf("Do you want to enter another student's details for admission? (y=yes/Any other-No)\n"); fflush(stdin);

```

```

    scanf("%c", &ch);

```

```

} while (ch == 'y' || ch == 'Y');

```

```

for (j=0; j<i; j++) { if (S[j].age >= 20 && S[j].marks >= 65)

```

```

    printf("\n Student ID %d Admission Approved\n", S[j].stid);

```

```

} else { if (S[j].age <= 20 && S[j].marks < 65)

```

```

    printf("\n Student ID %d: Admission declined\n Reason: Age <= 20 and Marks < 65\n", S[j].stid);

```

```

}

```

```

{

```

```

    if (S[j].age <= 20)

```

```

        printf("\n Student ID %d Admission Declined\n Reason: Age <= 20\n", S[j].stid);

```

```

    if (S[j].marks < 65)

```

```

        printf("\n Student ID %d Admission declined\n Reason: Marks < 65\n", S[j].stid);

```

```

}

```

```

}

```

```

}

```

```

return 0;

```

```

}

```

Output

merit list will be printed after every student has submitted

Taking student details

enter student ID

1 2 3

Enter age

20

Enter Student Marks

67

Do you want to enter another student details for admission
(Y-yes / Any other - No)

~

Student Id 123 Admission Declined

Reason: Age ≤ 20