ASSIGNMENT . 1

CODE :

```c
//Merwin Pinto
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//PSP Asst 1
#include<stdio.h>
void main()
{
int i,j,m,n,sum;
int a[10][10],max[10];

printf ("Students and Marks Report : \n ");

printf("Enter No of students : ");
scanf("%d",&n);

printf("Enter No of subjects : ");
scanf("%d",&m);
printf("\n");

for (i=0;i<n;i++)
 {
```

```c
    printf("Marks For student %d \n",i+1);
     for (j=0;j<m;j++)
     {

      printf("Subject %d \n",j+1);
      printf("Enter Marks :");
      scanf ("%d",&a[i][j]);
     }
      printf("\n");
  }
    printf("\n Marks of Student are : \n");

for (i=0;i<n;i++)
{
    printf("Marks For student %d are \n",i+1);

    for(j=0;j<m;j++)
    {
       printf("subject %d = ",j+1);
      printf("%d",a[i][j]);
      printf("\t");
    }
     printf("\n \n");
}
```

```c
    printf("total marks of student \n",sum);


for (i=0 ; i<n ; i++)
{
   sum=0;
   for (j=0 ; j<m ; j++)
   {
     sum=sum+a[i][j];
   }
   printf ("Total Sum of marks obtained by student %d = %d marks \n" ,i+1,sum);
}



    printf("\n");
for (i = 0; i < n; i++)
{
   max[i] = a[i][j];

   for (j = 0; j < m; j++)
      {

        if (a[i][j] > max[i])
        {
```

```c
                max[i] = a[i][j];
            }


        }


}
    printf("The maximum marks of Student are as follows \n");


    for (i = 0; i < n; i++)
    {
        printf ("Maximum Marks of the Student %d = %d marks \n", i+1,
max[i]);
    }


}
```
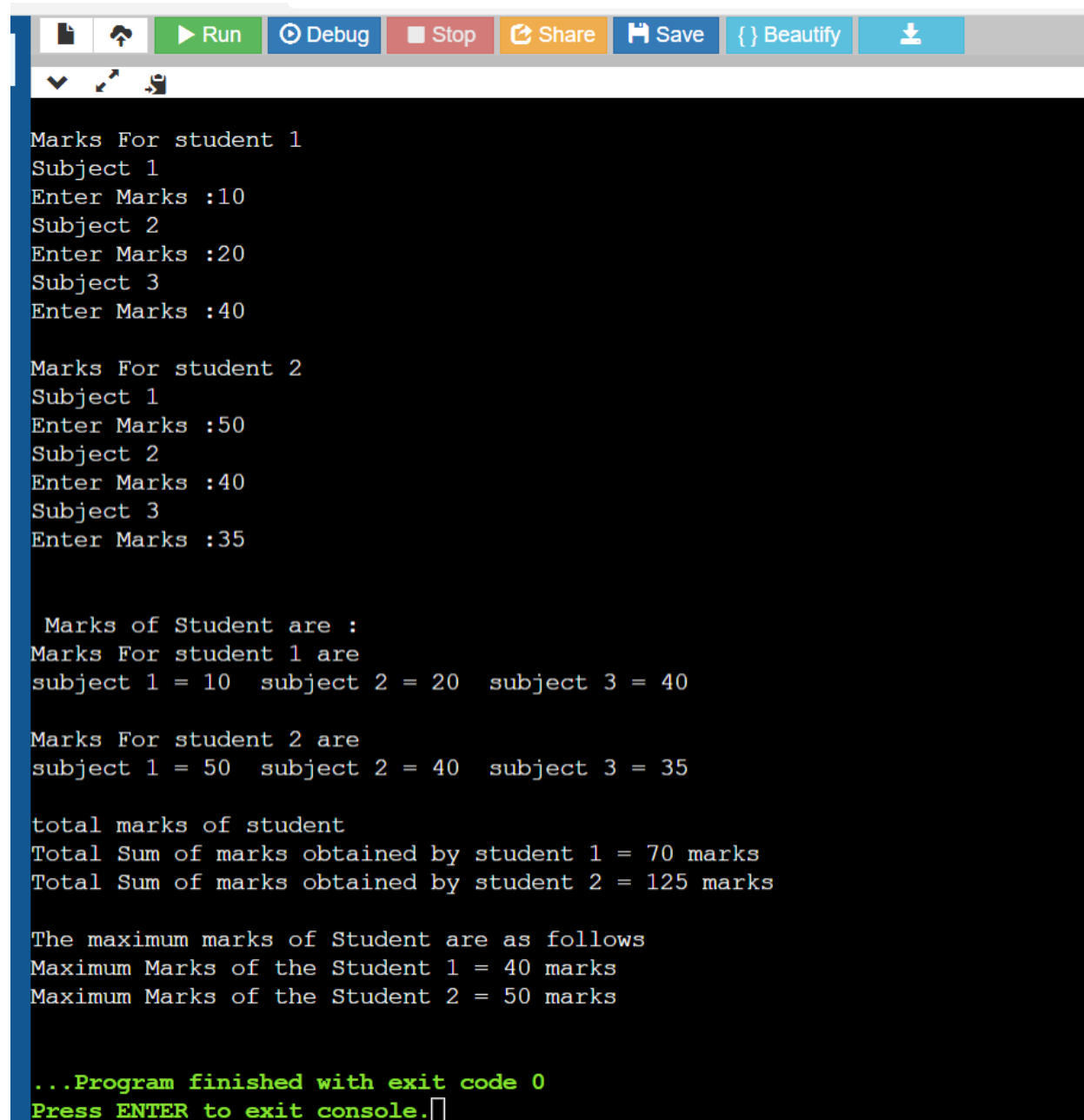
OUTPUT :

```
Marks For student 1
Subject 1
Enter Marks :10
Subject 2
Enter Marks :20
Subject 3
Enter Marks :40

Marks For student 2
Subject 1
Enter Marks :50
Subject 2
Enter Marks :40
Subject 3
Enter Marks :35


 Marks of Student are :
Marks For student 1 are
subject 1 = 10  subject 2 = 20  subject 3 = 40

Marks For student 2 are
subject 1 = 50  subject 2 = 40  subject 3 = 35

total marks of student
Total Sum of marks obtained by student 1 = 70 marks
Total Sum of marks obtained by student 2 = 125 marks

The maximum marks of Student are as follows
Maximum Marks of the Student 1 = 40 marks
Maximum Marks of the Student 2 = 50 marks


...Program finished with exit code 0
Press ENTER to exit console.
```