SCANNING MULTIPLE VALUES

WAP to ask the user to input his GRADE , ROLL NO and PER and then print back these values on screen

SAMPLE OUTPUT
==========
Enter your grade:B
Enter your roll no: 12
Enter your per: 56.5
Your grade is B
Your roll no is 12
Your per is 56.5

```
#include <stdio.h>
#include <conio.h>
void main()
{
   int r;
   char g;
   float p;
   clrscr();
   printf("Enter your grade:");
   scanf("%c",&g);
   printf("Enter your roll no:");
   scanf("%d",&r);
   printf("Enter your per:");
   scanf("%f",&p);
   printf("Your grade is %c\nYour roll no is %d\nYour per is %f",g,r,p);
   getch();
}
```

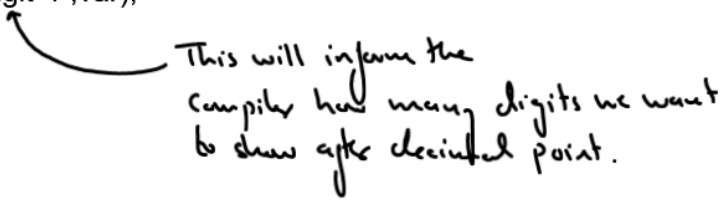
Qn.Why the program is dispalying per value as **56.500000** when the inputted value is only **56.5** ?

Ans.This is because in C lang , the default PRECISION of float data type is 5 decimal places. The word PRECISION means number of digits displayed after the decimal point and in C it is always upto 6 places.

Qn, Can we control this behaviour ?

Ans. Yes we can change this behaviour by writing printf() in a special way :

printf(" message %.<digit>f",var);



Exmple:
======
printf("%.3f",p);
Output:
=====
56.500

```
#include <stdio.h>
#include <conio.h>
void main()
{
   int r;
   char g;
   float p;
   clrscr();
   printf("Enter your grade:");
   scanf("%c",&g);
   printf("Enter your roll no:");
   scanf("%d",&r);
   printf("Enter your per:");
   scanf("%f",&p);
   printf("Your grade is %c\nYour roll no is %d\nYour per is %.2f",g,r,p);
   getch();
}
```

SAMPLE OUTPUT OF PREVIOUS CODE

```
==============================
Enter your grade:B
Enter your roll no: 12
Enter your per: 56.5
Your grade is B
Your roll no is 12
Your per is 56.50
```

Using Single scanf() For scanning Multiple Values

```
#include <stdio.h>
#include <conio.h>
void main()
{
   int r;
   char g;
   float p;
   clrscr();
   printf("Enter your grade,roll no and per:");
   scanf("%c %d %f",&g,&r,&p);
   printf("Your grade is %c\nYour roll no is %d\nYour per is %.2f",g,r,p);
   getch();
}
```

SAMPLE OUTPUT OF PREVIOUS CODE

```
==============================
Enter your grade,roll no and per:B 12 56.5
Your grade is B
Your roll no is 12
Your per is 56.50
```

SAMPLE OUTPUT OF PREVIOUS CODE

```
==============================
Enter your grade,roll no and per:B
12
56.5
Your grade is B
Your roll no is 12
Your per is 56.50
```