


C a6q1.c >  main()

```
1  //.....(QUESTION-1).....//
2
3  #include<stdio.h>
4  int main(){
5
6  //declaring variables//
7
8      int a,b,c,d,k,f,x;
9
10 // scanning variables from user//
11
12     printf("Enter the value of a , b , c , d , k , x and f . respectively: ");
13     scanf("\n%d\n %d\n %d\n %d\n %d\n %d\n %d\n %d\n ", &a , &b , &c ,&d , &k , &x ,&f);
14
15 // checking conditions and printing according//
16
17     if(x>k){
18         printf("\na(x^3)-b(x^2)+cx-d");
19     }
20     if(x==k){
21         printf("\n0");
22     }
23     if(x<k){
24         printf("\n-a(x^3)+b(x^2)-cx+d");
25     }
26     return 0;
27 }
```

```
PS D:\fcp lab\assignment 6> cd "d:\fcp lab\assignment 6\  
Enter the value of a , b , c , d , k , x and f . respectiv  
2  
3  
1  
5  
6  
8  
9  
5
```

$$a(x^3)-b(x^2)+cx-d$$

C a6q2.c > ...

```
1 //.....(QUESTION-2).....//
2
3 #include<stdio.h>
4 int main(){
5
6 //Scan the value of score for the user
7
8     int score;
9     printf("Enter the score you got: ");
10    scanf("%d",&score);
11
12 //checking the score and assigning the grade
13
14    if(score<50){
15        printf("Grade is : F");
16    }
17
18    else if(score>=70&&score<80){
19        printf("Grade is : B+");
20    }
21
22    else if(score>=50&&score<60){
23        printf("Grade is : C");
24    }
25
26    else if(score>=60&&score<70){
27        printf("Grade is : B");
28    }
29
30    else if(score>=80&&score<90){
31        printf("Grade is : A");
32    }
33
34    else if(score>=90&&score<=100){
35        printf("Grade is : A+");
36    }
37
38    return 0;
39 }
```

```
PS D:\fcp lab\assignment 6> cd "d:\fcp lab\assignment 6\"
```

```
Enter the score you got: 93
```

```
Grade is : A+
```

C a6q3.c > main()

```
1 //.....(QUESTION-3).....//
2
3 //.....(part1).....//
4
5 #include<stdio.h>
6
7 int main(){
8
9 //declaring variables//
10
11     float a,b,c,x,y,z;
12     int n1,n2,n3;
13
14 //printing input from the user//
15
16     printf("Enter the values of a and b respectively:\n ");
17     scanf("%f\n%f",&a,&b);
18
19     n1=a/b;
20     printf("\n%d",n1);
21
22 //.....(Part2).....//
23
24 //printing input from the user//
25
26     printf("\nEnter the values of x(enter a negative number) and y(+ve) respectively: \n");
27     scanf("%f\n%f",&x,&y);
28
29     n2=x/y;
30     printf("\n%d",n2);
31
32 //.....(Part3).....//
33
34     printf("\nEnter the values of c(enter a positive number) and z(-ve) respectively: \n");
35     scanf("%f\n%f",&c,&z);
36
37     n3=c/z;
38     printf("\n%d",n3);
39
40     return 0;
41 }
```

```
PS D:\fcp lab\assignment 6> cd "d:\fcp lab\assignment 6\" ; if ($?) { gcc a6q3.c -o a6q3 } ; if ($?) { .\a6q3 }
```

Enter the values of a and b respectively:

1.2345

3.2345

0

Enter the values of x(enter a negative number) and y(+ve) respectively:

-7.4567

4.5678

-1

Enter the values of c(enter a positive number) and z(-ve) respectively:

9.5434

-4.767

-2


C a6q4.c > ...

```
1 //.....(QUESTION-4).....//
2
3 #include<stdio.h>
4
5 int main(){
6
7     // defining variables//
8
9     float unitc;
10
11    //scanning electricity bill from user//
12
13    printf("Enter the amount of units consumed: ");
14    scanf("%f",&unitc);
15
16    //printing the current bill accordingly//
17
18    if(unitc>=500){
19        printf("bill is %.2f",(unitc*5.5));
20    }
21
22
23    if(unitc>=200&&unitc<500){
24        printf("bill is %.2f",(unitc*3.5));
25    }
26
27
28    if(unitc>=100&&unitc<200){
29        printf("bill is %.2f",(unitc*2.5));
30    }
31
32    if(unitc<100){
33        printf("bill is %.2f",(unitc*1.5));
34    }
35
36    return 0;
37 }
```

```
PS D:\fcp lab\assignment 6> cd "d:\fcp lab\assignment 6\"
```

```
Enter the amount of units consumed: 210
```

```
bill is 735.00
```


C a6q5.c >  main()

```
1  //.....(QUESTION-5).....//
2
3  #include<stdio.h>
4  int main(){
5
6  // declaring the variables //
7
8      int amt;
9
10 // scanning the policy amount //
11
12     printf("Enter the value of policy amount: ");
13     scanf("%d",&amt);
14
15 // finding the commision and printing it //
16
17     if(amt<=10000){
18         printf("\nThe commision is: %.2f",(5/10000)*amt);
19     }
20
21     if(amt>=25000){
22         printf("\nThe commision is: %.2f",(140)+(7.5/10000)*(amt-25000));
23     }
24
25     if(amt>10000&&amt<20000){
26         printf("\nThe commision is: %.2f",(50)+(6/10000)*(amt-10000));
27     }
28
29     return 0;
30 }
```

```
PS D:\fcp lab\assignment 6> cd "d:\fcp lab\assignment 6\  
Enter the value of policy amount: 30000
```

The commission is: 143.75

```
PS D:\fcp lab\assignment 6> █
```