

```
1 #include <stdio.h>
2 #include <math.h>
3 void main()
4 {
5     int age;
6     printf("Enter the Age:\n");
7     scanf("%d",&age);
8     if(age>=18)
9     {
10         printf("Eligible for voting.");
11     }
12     else{
13         printf("Not Eligible for Voting.");
14     }
15
16 }
```

Enter the Age:
19
Eligible for voting.

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

input

```
1 #include <stdio.h>
2 int main()
3 {
4     int age, eligibility;
5     printf("Enter the age:\n");
6     scanf("%d", &age);
7     eligibility = (age > 18) ? 1 : 0;
8     if (eligibility)
9     {
10         printf("You are Eligible.");
11     }
12     else{
13         printf("You are not Eligible.");
14     }
15 }
16
17
```

Enter the age:
15
You are not Eligible.

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

```
1 #include<stdio.h>
2 #include<stdlib.h>
3
4 int main()
5
6 {
7     int n1,n2 ;
8     printf(" enter two numbers : ") ;
9     scanf("%d %d", &n1,&n2);
10
11     if(n1<0 || n2<0)
12     {
13         printf("negative numbers not allowed");
14         exit(0);
15     }
16
17     if(n1 > n2)
18     {
19         printf("%d is the largest number", n1);
20     }
21
22     else
23     {
24         printf(" %d is the largest number " , n2);
25     }
26
27     return 0;
```

enter two numbers : 1 -2
negative numbers not allowed
...Program finished with exit code 0
Press ENTER to exit console.

```

2  #include<stdlib.h>
3
4  int main()
5
6  {
7      int n1,n2,n3, largest ;
8      printf(" enter three numbers : ");
9      scanf("%d %d %d", &n1,&n2,&n3);
10     largest = (n1 > n2) ? (n1 > n3 ? n1 : n3) : (n2 > n3 ? n2 : n3);
11
12     if( n1 < 0 || n2<0 || n3<0)
13     {
14         printf("negative numbers not allowed ");
15         exit(0);
16
17     }
18     printf(" the largest number = %d " , largest);
19     return 0;
20 }

```

input

```

enter three numbers : 1 2 3
the largest number = 3

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

```



```
1 #include<stdio.h>
2 #include<stdlib.h>
3 void main()
4 {
5     int op1,op2,res;
6     char oper;
7     printf("Enter the operator:\n");
8     scanf("%c",&oper);
9     printf("Enter two operands:\n");
10    scanf("%d%d",&op1,&op2);
11    switch(oper){
12        case '+': res=op1+op2; // Addition
13        break;
14        case '-': res=op1-op2; // Subtraction
15        break;
16        case '*': res=op1*op2; // Multiplication
17        break;
18        case '/': if(op2==0)
19        {
20            printf("Divide by zero error");
21            exit(0);
22        }
23        else
24            res=op1/op2;
25        break;
26        default: printf("Not a valid operator");
27        exit(0);
28    }
29    printf("Result=%d",res);
30 }
```

Enter the operator:

/

Enter two operands:

0

8

Result=0

...Program finished with exit code 0

Press ENTER to exit console.

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 void main()
4 {
5     int op1,op2,res;
6     char oper;
7     printf("Enter the operator:\n");
8     scanf("%c",&oper);
9     printf("Enter two operands:\n");
10    scanf("%d%d",&op1,&op2);
11    switch(oper){
12        case '+': res=op1+op2; // Addition
13        break;
14        case '-': res=op1-op2; // Subtraction
15        break;
16        case '*': res=op1*op2; // Multiplication
17        break;
18        case '/': if(op2==0)
19        {
20            printf("Divide by zero error");
21            exit(0);
22        }
23        else
24            res=op1/op2;
25        break;
26        default: printf("Not a valid operator");
27        exit(0);
28    }
29    printf("Result=%d",res);
30 }
```



Enter the operator:

/

Enter two operands:

2

0

Divide by zero error


```

6- {
7   char Operator;
8   int num1, num2, result;
9
10  printf("Enter any one operator like +, -, *, / : ");
11  scanf("%c", &Operator);
12
13  printf("Enter the values of Operands num1 and num2 (only integers) \n : ");
14  scanf("%d %d", &num1, &num2);
15
16  switch(Operator)
17  {
18
19      case '+': result = num1 + num2;
20              break;
21
22      case '-': result = num1 - num2;
23              break;
24
25      case '*': result = num1 * num2;
26              break;
27
28      case '/': if(num2==0)
29      {printf("divide by zero error.");
30      exit(0);
31      }

```

input

```

Enter any one operator like +, -, *, / : /
Enter the values of Operands num1 and num2 (only integers)
: 2 0
divide by zero error.

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

```

```

1  #include<stdio.h>
2  #include<stdlib.h>
3  void main()
4  {
5      int rank;
6      printf("Enter the rank:\n");
7      scanf("%d",&rank);
8      if(rank<=3250)
9          printf("Admission is possible in all the branches.");
10     else if(rank<=6505&&rank>3250)
11         printf("Admission is possible in ISE,EC,MEC branches.");
12     else if(rank<=12012&&rank>6505)
13         printf("Admission is possible in EC,MEC branches.");
14     else if(rank<=22350&&rank>12012)
15         printf("Admission is possible in MEC branch.");
16
17     else {
18         printf("Admission not possible for the Rank.");
19     }
20
21 }

```

Enter the rank:

8983

Admission is possible in EC,MEC branches.


```

1  #include<stdio.h>
2  #include<stdlib.h>
3
4  int main()
5  {
6      int n ;
7      float rate ;
8
9
10     printf("enter the number of books : \n ");
11     scanf("%d", &n);
12     rate=n*10;
13
14     if(n<10000)
15     {
16         printf("no discount \n");
17         printf("total cost = %.2f" , rate);
18
19     }
20
21     else if(n>10000 && n<15000)
22     {
23         printf("10 percent discount will be given \n");
24         rate=rate - (0.1*rate) ;
25         printf("total cost = %.2f" , rate);
26     }
27

```

input

enter the number of books :

555

no discount

total cost = 5550.00

...Program finished with exit code 0

Press ENTER to exit console