Coding C

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RUN   ME

```c
#include<stdio.h>
#include<math.h>
#include<stdlib.h>
int main()
{
    float a,b,c,r1,r2,d;
    printf("entre that value of a b and c");
    scanf("%f %f %f",&a,&b,&c);
    if(a==0)
    {
    printf("it is not quadratic equation");
    exit(0);
    }
    d=b*b-4*a*c;
    if(d>0)
    {
    printf("roots are real and distinct");
    r1=(-b+sqrt(d))/(2*a);
    r2=(-b-sqrt(d))/(2*a);
    printf("r1=%f r2= %f ",r1,r2);
    }
    else if(d==0)
    {
    printf("roots are real and equal");
    r1=-b/(2*a);
    r2=-b/(2*a);
    printf("r1=%f r2=%f",r1,r2);
    }
    else
    {
    printf("roots are complex and imaginary");
    r1=-b/(2*a);
    r2=sqrt(fabs(d))/(2*a);
    printf("r1=%f+i%f r2=%f-i%f",r1,r2,r1,r2);
    }
}
```
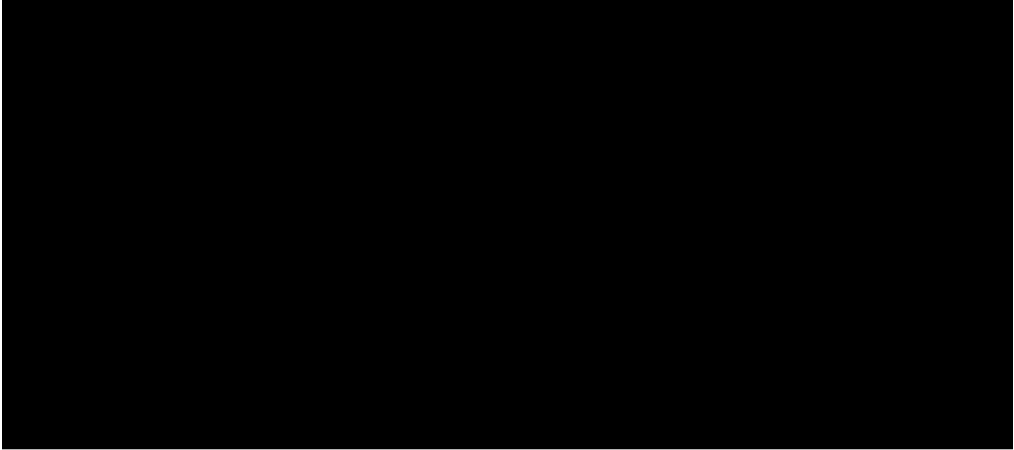
+   −   ! $ []   ''

```c
#include<stdio.h>
void main()
{
  float rupees;
  int unit;
  char name[10];
  printf("Enter the names");
  scanf("%s",&name);
  printf("\n enter the unites consumed:");
  scanf("%d",&unit);
  if(unit<=200)
    rupees=unit*0.8+100;
  else if(unit<=300)
    rupees=200*0.8+(unit-200)*0.9+100;
  else
    rupees=200*0.8+100*0.9+(unit-300)*1+100;

  if(rupees>400)
    rupees=200+0.15*rupees;

  printf("%s has to pay %f",name,rupees);
}
```

Output

/tmp/a.out
Enter the names ram

 enter the unites consumed: 250
ram has to pay 305.000000

Compile Result

```
entre the expression4*9
result=36
[Process completed - press Enter]
```

Compile Result

```
entre the expression4/2
result=2
[Process completed - press Enter]
```

Coding C   RUN   M
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```
1 #include<stdio.h>
2 int main()
3 {
4 int a,b,result;
5 char ch;
6 printf("entre the expression");
7 scanf("%d %c %d",&a,&ch,&b);
8 switch(ch)
9 {
10 case'+':result=a+b;
11         break;
12 case'-':result=a-b;
13         break;
14 case'*':result=a*b;
15         break;
16 case'%':result=a%b;
17         break;
18 case'/':if(b==0)
19 {
20 printf("invalid input");
21 exit(0);
22 }
23 else
24 result=a/b;
25 break;
26 default:printf("invalid operator");
27 exit(0);
28 }
29 printf("result=%d",result);
30 }
```

Tab   {}   " "   ;   ↺   ⇧

Compile Result

```
entre the expression7-3
result=4
[Process completed - press Enter]
```

Compile Result

```
entre the expression 4+3
result=7
[Process completed - press Enter]
```

Compile Result

```
entre the expression2%4
result=2
[Process completed - press Enter]
```