```c
// Online C compiler to run C program online
#include <stdio.h>

void main()
{
    int a,b,sum,sub,mul,div;
    printf("enter the nos.\n");
    scanf("%d %d",&a,&b);
    sum=a+b;
    sub=a-b;
    mul=a*b;
    div=a/b;

    printf("sum=%d\n",sum);
    printf("sub=%d\n",sub);
    printf("mul=%d\n",mul);
    printf("div=%d\n",div);


}
```

Output

```
/tmp/sJ1zq86IhC.o
enter the nos.
7 8
sum=15
sub=-1
mul=56
div=0
```

```c
// Online C compiler to run C program online
#include <stdio.h>

void main()
{
    float C,F;
    printf("enter temp in celsius\n");
    scanf("%f",&C);

    F=(C*1.8)+32;
    printf("%.2f C=%.2f F",C,F);

}
```

Output

```
/tmp/sJ1zq86IhC.o
enter temp in celsius
100
.00 C=212.00 F
```

main.c

```c
1   // Online C compiler to run C program online
2   #include <stdio.h>
3   #define PI 3.14
4
5   void main()
6   {
7       float r,diameter,circum,area;
8       printf("enter radius of circle\n");
9       scanf("%f",&r);
10
11      diameter=2*r;
12      circum=2*PI*r;
13      area=PI*r*r;
14
15      printf("diameter=%f\n",diameter);
16      printf("circumference=%f\n",circum);
17      printf("area=%f\n",area);
18
19
20
21
22  }
```

Output

```
/tmp/sJ1zq86IhC.o
enter radius of circle
5.8
diameter=11.600000
circumference=36.424000
area=105.629608
```

```c
int marks,phy,chem,bio,math,comp;
float percent;
printf("enter the marks in physics\n");
scanf("%d",&phy);
printf("enter marks in chemistry\n");
scanf("%d",&chem);
printf("enter marks in biology\n");
scanf("%d",&bio);
printf("enter marks in mathematics\n");
scanf("%d",&math);
printf("enter marks in computer\n");
scanf("%d",&comp);

percent=((phy+chem+bio+math+comp)/500.0)*100;
printf("percentage=%f\n",percent);

if(percent>=90)
{ printf("grade=A\n");}
else if(percent>=80)
{printf("gradeB\n");}
else if(percent>=70)
{printf("grade=C\n");}
else if(percent>=60)
{printf("grade=D");}
else if(percent>=40)
{printf("gtade=E");}
else if(percent<40)
{printf("grade=F");}
}
```

```
/tmp/sJ1zq86IhC.o
enter the marks in physics
67
enter marks in chemistry
56
enter marks in biology
45
enter marks in mathematics
67
enter marks in computer
78
percentage=62.599998
grade=D
```

```c
    scanf("%s",&ch);

    switch(ch)
    {
        case 'a':printf("vowel");
        break;
        case 'e':printf("vowel");
        break;
        case 'i':printf("vowel");
        break;
        case 'o':printf("vowel");
        break;
        case 'u':printf("vowel");
        break;
        case 'A':printf("vowel");
        break;
        case 'E':printf("vowel");
        break;
        case 'I':printf("vowel");
        break;
        case 'O':printf("vowel");
        break;
        case 'U':printf("vowel");
        break;
        default:printf("consonsnt");
        break;
    }
```

main.c

Output

/tmp/sJ1zq86IhC.o
enter the charachter
j
consonsnt