

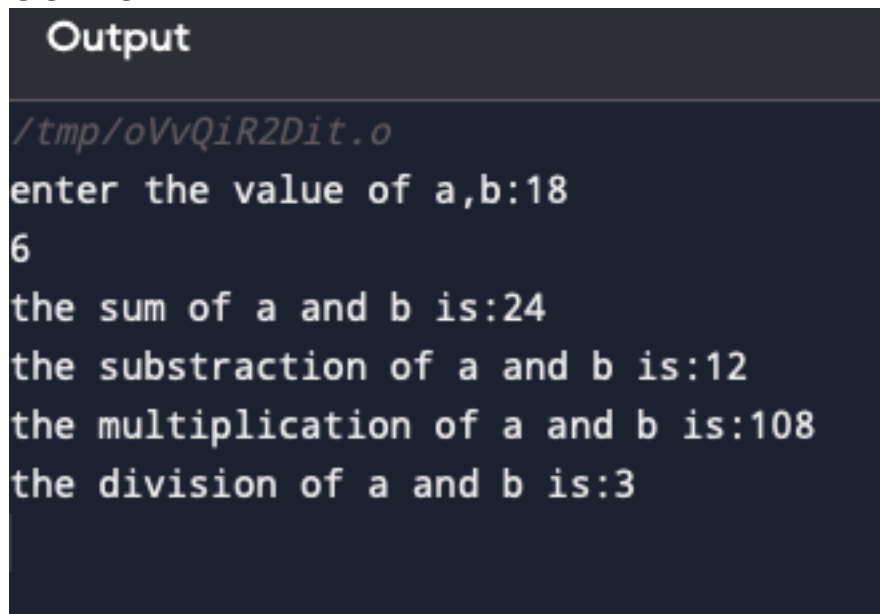
PROGRAM (1) : WRITE A C PROGRAM TO WRITE A C ENTER TWO NUMBERS AND PERFORM ALL ARITHMETIC OPERATIONS

```
#include <stdio.h>

int main()
{
    int a,b;
    int sum,sub,mul,div;
    printf("enter the value of a,b:");
    scanf("%d %d",&a,&b);
    sum=a+b;
    sub=a-b;
    mul=a*b;
    div=a/b;
    printf("the sum of a and b is:%d\n", sum);
    printf("the subtraction of a and b is:%d\n", sub);
    printf("the multiplication of a and b is:%d\n", mul);
    printf("the division of a and b is:%d\n", div);

    return 0;
}
```

OUTPUT:

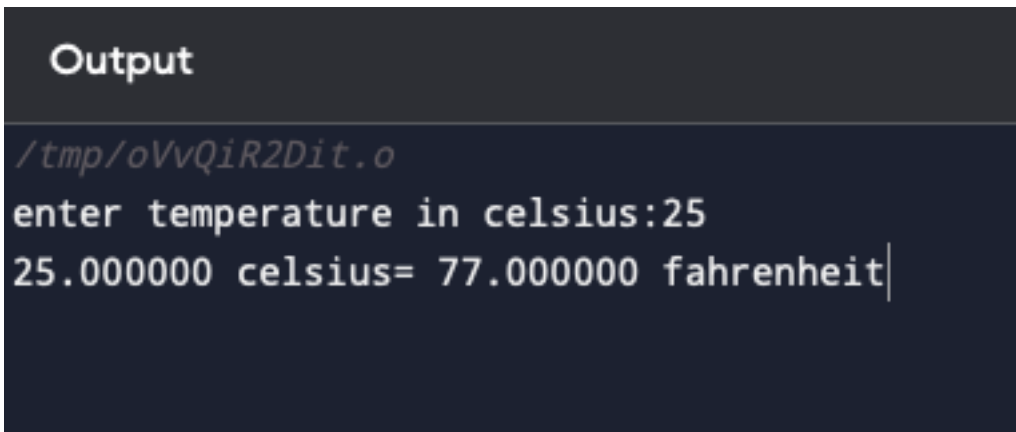


```
Output
/tmp/oVvQiR2Dit.o
enter the value of a,b:18
6
the sum of a and b is:24
the subtraction of a and b is:12
the multiplication of a and b is:108
the division of a and b is:3
```

PROGRAM (2) : WRITE A C PROGRAM TO ENTER TEMPERATURE IN CELSIUS AND CONVERT IT INTO FAHRENHEIT

```
#include <stdio.h>
int main()
{
    float celsius,fahrenheit;
    printf("enter temperature in celsius:");
    scanf("%f",&celsius);
    fahrenheit=(celsius*9/5)+32;
    printf("%f celsius= %f fahrenheit",celsius,fahrenheit);
    return 0;
}
```

OUTPUT :



```
Output
/tmp/oVvQiR2Dit.o
enter temperature in celsius:25
25.000000 celsius= 77.000000 fahrenheit|
```

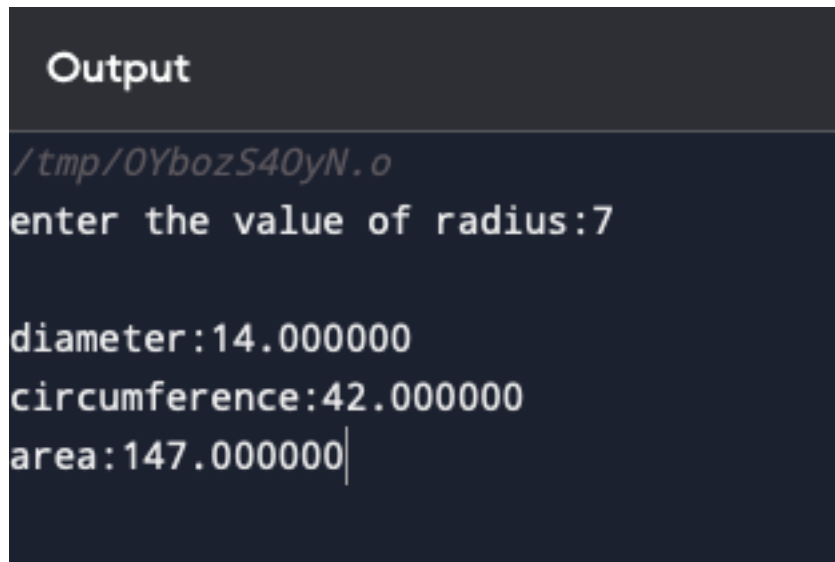
PROGRAM (3) : WRITE A C PROGRAM TO ENTER THE RADIUS OF A CIRCLE AND FIND IT'S DIAMETER, CIRCUMFERENCE AND AREA

```
#include <stdio.h>

int main()
{
    float radius,diameter,circumference,area;
    printf("\nenter the value of radius:");
    scanf("%f",&radius);
    diameter=2*radius;
    circumference=2*(22/7)*radius;
    area=(22/7)*radius*radius;
```

```
printf("\ndiameter:%f",diameter);  
printf("\ncircumference:%f",circumference);  
printf("\narea:%f",area);  
return 0;  
}
```

OUTPUT :



```
Output  
/tmp/0YbozS40yN.o  
enter the value of radius:7  
  
diameter:14.000000  
circumference:42.000000  
area:147.000000|
```

PROGRAM (4) : WRITE A C PROGRAM TO INPUT MARKS OF FIVE SUBJECTS PHYSICS, CHEMISTRY, BIOLOGY, MATHEMATICS AND COMPUTER. CALCULATE PERCENTAGE AND GRADE ACCORDING TO FOLLOWING:

Percentage $\geq 90\%$: Grade A

Percentage $\geq 80\%$: Grade B

Percentage $\geq 70\%$: Grade C

Percentage $\geq 60\%$: Grade D

Percentage $\geq 40\%$: Grade E

Percentage $< 40\%$: Grade F

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int physics,chemistry,biology,mathematics,computer;
```

```
    float total,percentage;
```

```
    printf("enter the marks of all five subjects:");
```

```
scanf("%d%d%d%d%d",&physics,&chemistry,&biology,&mathematics,&computer);
```

```
    total=physics+chemistry+biology+mathematics+computer;
```

```
    percentage=total/5;
```

```
    printf("percentage=%f\n",percentage);
```

```
    if(percentag>=90)
```

```
    {
```

```
        printf("grade A");
```

```
    }
```

```
    else if(percentag>=80)
```

```
    {
```

```
        printf("grade B");
```

```
    }
```

```
    else if(percentag>=70)
```

```
    {
```

```
        printf("grade C");
```

```
    }
```

```
    else if(percentag>=60)
```

```
    {
```

```
        printf("grade D");
```

```
    }
```

```
    else if(percentag>=40)
```

```
    {
```

```
        printf("grade E");
```

```
    }
```

```
    else
```

```
    {
```

```
        printf("grade F");
```

```
    }
```

```
    return 0;
```

```
}
```

OUTPUT :

```
Output
/tmp/0YbozS40yN.o
enter the marks of all five subjects:98
99
94
95
96
percentage=96.400002
grade A
```

PROGRAM (5) : WRITE A C PROGRAM TO CHECK WHETHER AN ALPHABET IS VOWEL OR CONSONANT USING SWITCH CASE

```
#include <stdio.h>
```

```
int main()
{
    char ch;
    printf("enter an alphabet:");
    scanf("%s",&ch);
    switch(ch)
    {
        case'a':
            printf("a is vowel");
            break;
        case'e':
            printf("e is vowel");
            break;
        case'i':
            printf("i is vowel");
            break;
        case'o':
```

```
    printf("o is vowel");  
    break;  
    case 'u':  
        printf("u is vowel");  
        break;  
    default:  
        printf("it is consonant");  
    }  
    return 0;  
  
}
```

OUTPUT :

Output

```
/tmp/OYbozS40yN.o  
enter an alphabet:t  
it is consonant|
```

Output

```
/tmp/OYbozS40yN.o  
enter an alphabet:i  
i is vowel|
```