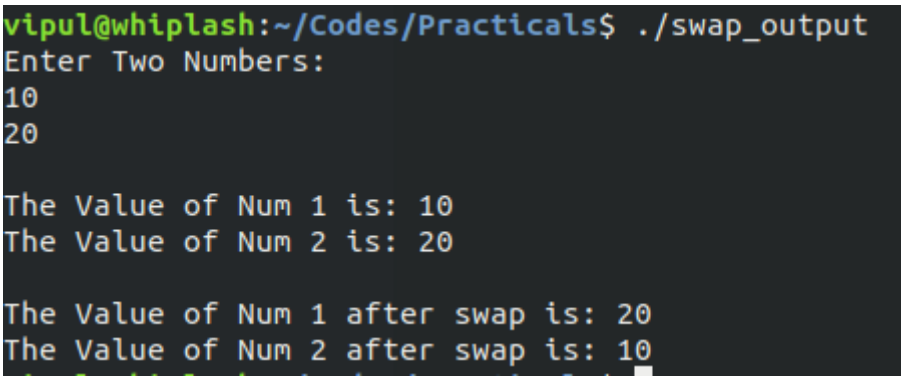
Program 1:

// Program to swap two numbers using temporary variable

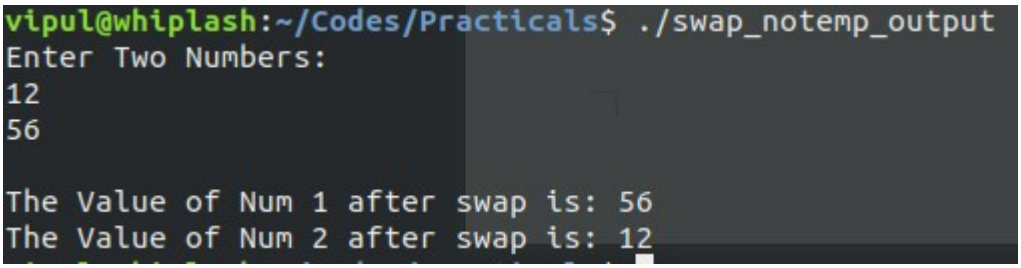
```
#include<stdio.h>
int main(){
        int num1,num2,temp;
        printf("Enter Two Numbers:\n");
        scanf("%d %d",&num1,&num2);

        printf("\nThe Value of Num 1 is: %d\nThe Value of Num 2 is: %d\n",num1,num2);

        temp=num1;
        num1=num2;
        num2=temp;

        printf("\nThe Value of Num 1 after swap is: %d\nThe Value of Num 2 after swap is: %d\
        n",num1,num2);
}
```



Program 2:

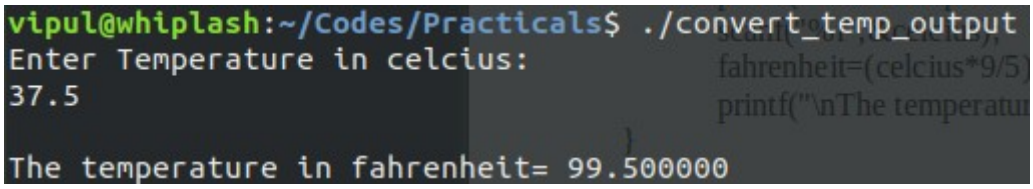
// Program to swap two numbers without using temporary variable

```
#include<stdio.h>
int main(){
	int num1,num2;
	printf("Enter Two Numbers:\n");
	scanf("%d %d",&num1,&num2);

	num1=num1+num2;
	num2=num1-num2;
	num1=num1-num2;

	printf("\nThe Value of Num 1 after swap is: %d\nThe Value of Num 2 after swap is %d\
n",num1,num2);
}
```



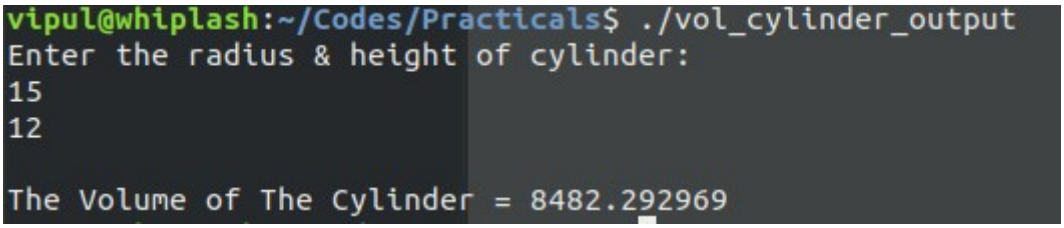
Program 3:

```
// Program to Convert Temperature from Celcius to Fahrenheit

#include<stdio.h>
int main(){
	float celcius,fahrenheit;
	printf("Enter Temperature in celcius:\n");
	scanf("%f",&celcius);
	fahrenheit=(celcius*9/5)+32;
	printf("\nThe temperature in fahrenheit= %f\n",fahrenheit);
}
```



Program 4:

```
// Program to calculate volume of cylinder

#include<stdio.h>
int main(){
	float radius,height,volume;
	printf("Enter the radius & height of cylinder:\n");
	scanf("%f %f",&radius,&height);

	volume=3.14159*radius*radius*height;

	printf("\nThe Volume of The Cylinder = %f\n",volume);
}
```



Program 5:

```
// Program to calculate sum of 5 subjects and calculate percentage

#include<stdio.h>
int main(){
	float subjects[5],sum=0,percentage;
	printf("Enter marks of 5 subjects:\n");
	for(int i=0;i<5;i++){
		scanf("%f",&subjects[i]);
		sum+=subjects[i];
	}
	percentage=sum/5;

	printf("\nThe Sum of the 5 subjects = %f\nThe Percentage = %f\n",sum,percentage);
}
```

```
vipul@whiplash:~/Codes/Practicals$ ./subject_sum_percentage_output
Enter marks of 5 subjects:
90
87
65
77
92

The Sum of the 5 subjects = 411.000000
The Percentage = 82.199997
```

Program 6:

// Program to input distance between two cities in km. and convert to meters and centimeters

```
#include<stdio.h>
int main(){
        float distance,meters,centimeters;
        printf("Enter the distance between two cities in km:\n");
        scanf("%f",&distance);

        meters=distance*1000;
        centimeters=meters*100;

        printf("\nThe Distance in meters= %f\nThe Distance in cenimeters= %f\
n",meters,centimeters);
}
```