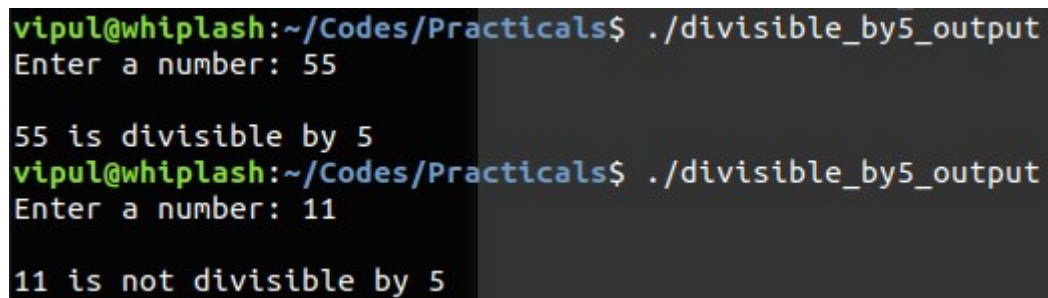**Program 1:**

//Program to check if number is divisble by 5 or not.

```c
 #include<stdio.h>
int main(){
     printf("Enter a number: ");
     int num;
     scanf("%d",&num);
     if(num%5==0)
          printf("\n%d is divisible by 5\n",num);
     else
          printf("\n%d is not divisible by 5\n",num);
}
```

Program 2:

//Program to check if number is >0 || <0 || ==0.

```c
#include<stdio.h>
int main(){
    int num;
    printf("Enter number: ");
    scanf("%d",&num);
    if(num>0)
        printf("\n%d is >0\n",num);
    else if(num<0)
        printf("\n%d is <0\n",num);
    else
        printf("\n%d is =0\n",num);

}
```
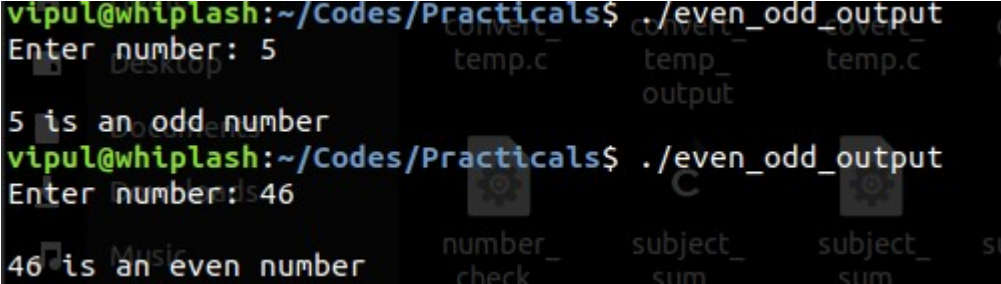
Program 3:

//Program to check if number is even or odd.

```c
#include<stdio.h>
int main(){
    int num;
    printf("Enter number: ");
    scanf("%d",&num);
    if(num%2==0)
        printf("\n%d is an even number\n",num);
    else
        printf("\n%d is an odd number\n",num);
}
```
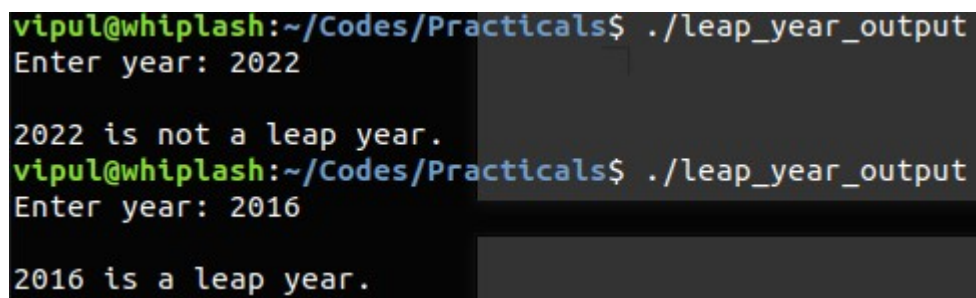
Program 4:

//Program to check if year entered is leap year or not.

```
#include<stdio.h>
int main(){
    int year;
    printf("Enter year: ");
    scanf("%d",&year);
    if(year%4==0)
        printf("\n%d is a leap year.\n",year);
    else
        printf("\n%d is not a leap year.\n",year);
}
```
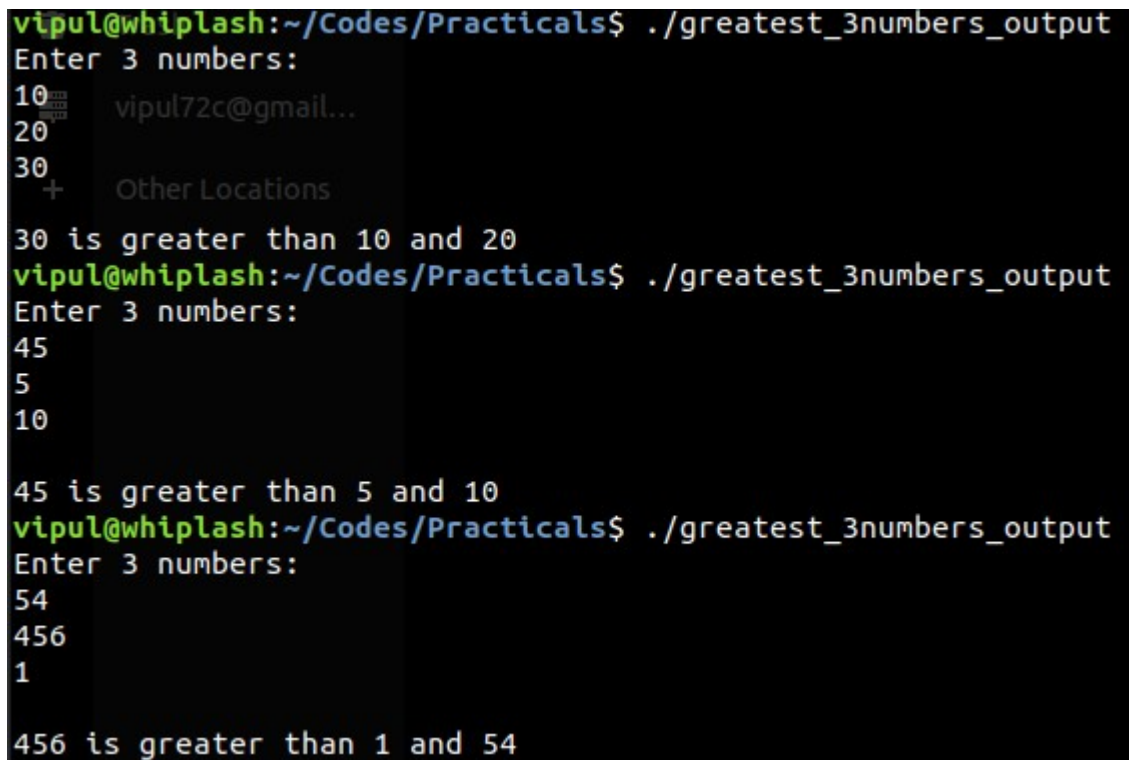
Program 5:

//Program to check greatest among three numbers.

```c
#include<stdio.h>
int main(){
    int num[3];
    printf("Enter 3 numbers:\n");
    scanf("%d %d %d",&num[0],&num[1],&num[2]);
    if(num[0]>num[1] && num[0]>num[2])
        printf("\n%d is greater than %d and %d\n",num[0],num[1],num[2]);
    else if(num[1]>num[2] && num[1]>num[0])
        printf("\n%d is greater than %d and %d\n",num[1],num[2],num[0]);
    else
        printf("\n%d is greater than %d and %d\n",num[2],num[0],num[1]);
}
```
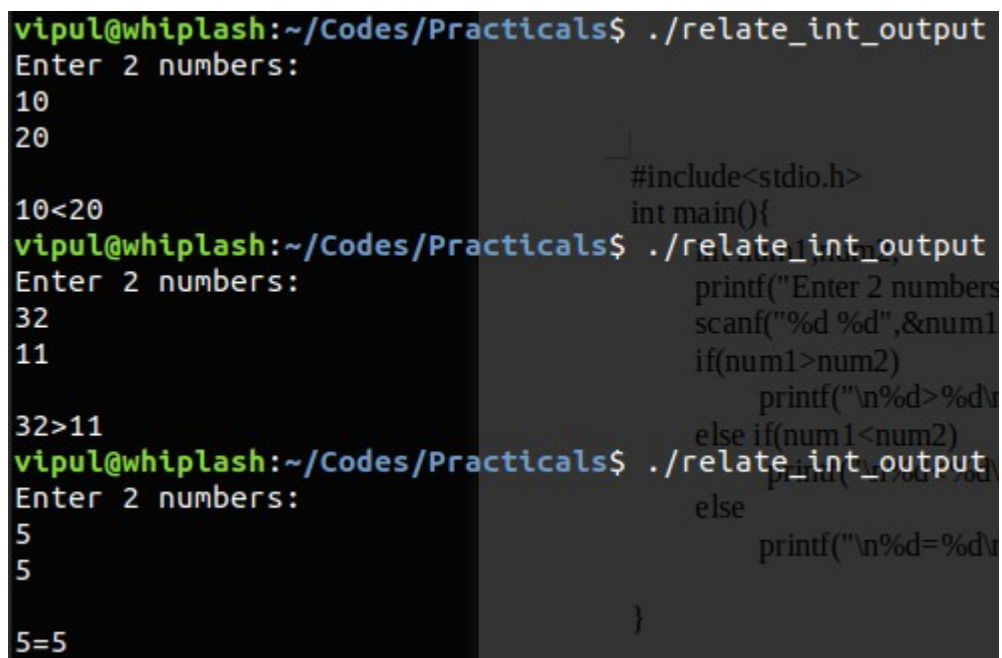
Program 6:

//Program to relate two integers using = , < , >.

```c
#include<stdio.h>
int main(){
    int num1,num2;
    printf("Enter 2 numbers:\n");
    scanf("%d %d",&num1,&num2);
    if(num1>num2)
        printf("\n%d>%d\n",num1,num2);
    else if(num1<num2)
        printf("\n%d<%d\n",num1,num2);
    else
        printf("\n%d=%d\n",num1,num2);

}
```