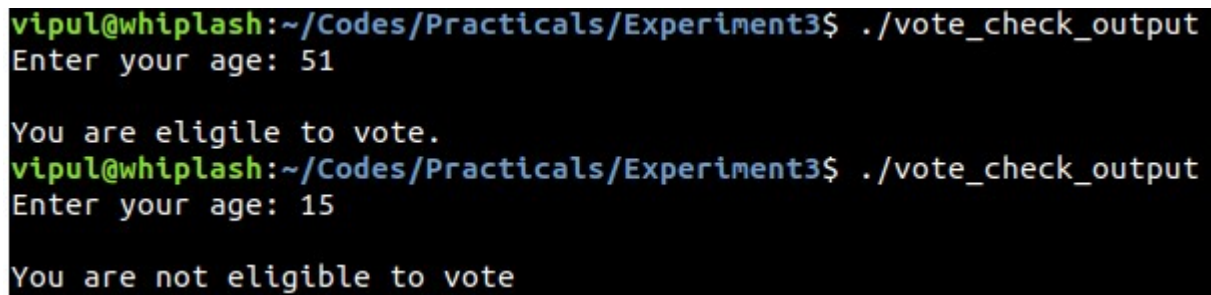


Program 1:

//Program to check if a person is eligible for voting or not

```
include<stdio.h>
int main(){
    int age;
    printf("Enter your age: ");
    scanf("%d",&age);
    if(age>=18)
        printf("\nYou are eligile to vote.\n");
    else
        printf("\nYou are not eligible to vote\n");
}
```



A terminal window with a black background and green text. The prompt is 'vipul@whiplash:~/Codes/Practicals/Experiment3\$'. The first command is './vote_check_output', which prompts 'Enter your age: 51' and outputs 'You are eligile to vote.'. The second command is './vote_check_output', which prompts 'Enter your age: 15' and outputs 'You are not eligible to vote'.

```
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./vote_check_output
Enter your age: 51

You are eligile to vote.
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./vote_check_output
Enter your age: 15

You are not eligible to vote
```

Program 2:

//Program to check if alphabet entered is a vowel or a constant

```
#include<stdio.h>
int main(){
    char c;
    printf("Enter an alphabet: ");
    scanf("%c",&c);
    if(c=='a' || c=='e' || c=='i' || c=='o' || c=='u' || c=='A' || c=='E' ||$
        printf("\n%c is a vowel.\n",c);
    else
        printf("\n%c is a consonant\n",c);
}
```

```
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./vowel_consonant_output
Enter an alphabet: a

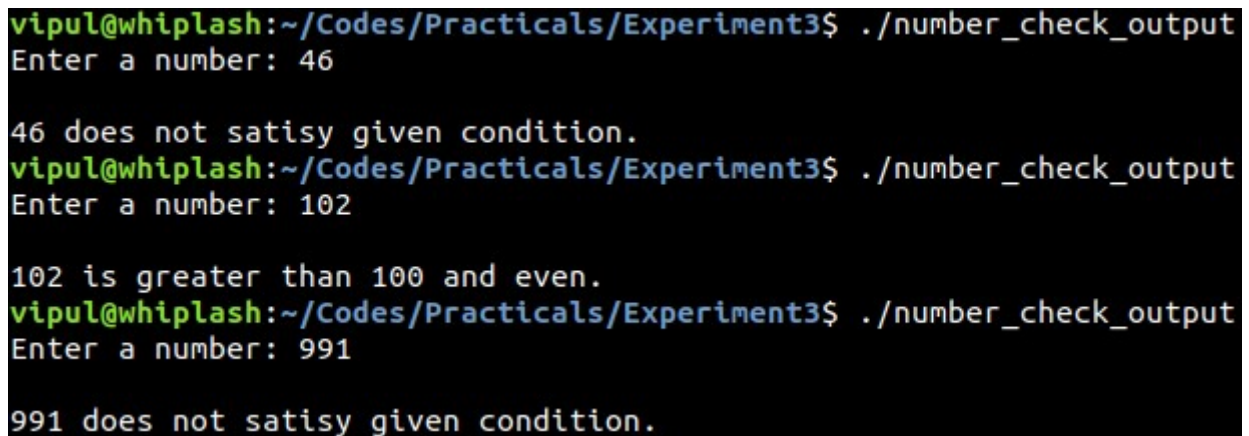
a is a vowel.
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./vowel_consonant_output
Enter an alphabet: b

b is a consonant
```

Program 3:

//Program to check if the number is greater than 100 and even

```
#include<stdio.h>
int main(){
    int num;
    printf("Enter a number: ");
    scanf("%d",&num);
    if(num>100 && num%2==0)
        printf("\n%d is greater than 100 and even.\n",num);
    else
        printf("\n%d does not satisfy given condition.\n",num);
}
```



A terminal window showing the execution of the program. The prompt is `vipul@whiplash:~/Codes/Practicals/Experiment3$`. The program is run with `./number_check_output`. It prompts for a number. Three test cases are shown: 46 (output: "46 does not satisfy given condition."), 102 (output: "102 is greater than 100 and even."), and 991 (output: "991 does not satisfy given condition.>").

```
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./number_check_output
Enter a number: 46

46 does not satisfy given condition.
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./number_check_output
Enter a number: 102

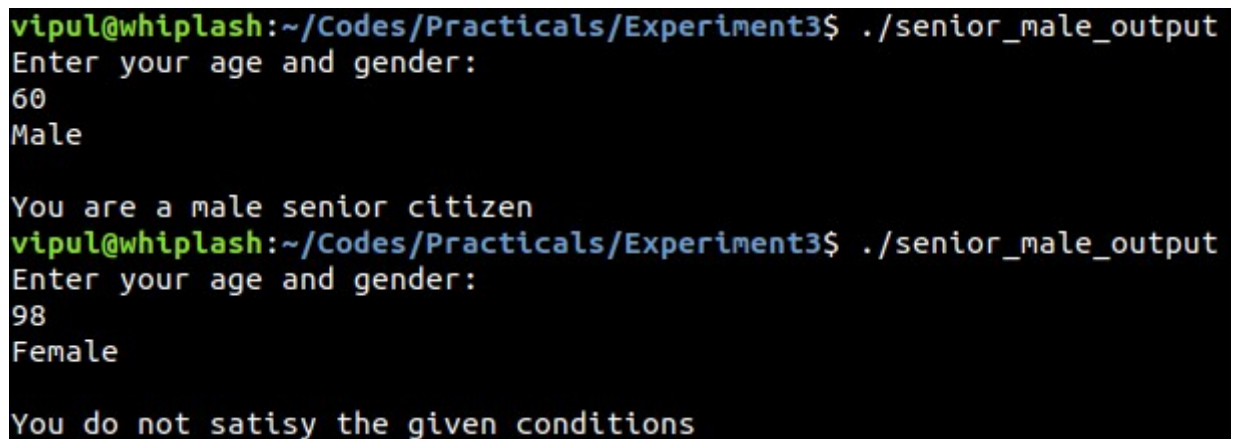
102 is greater than 100 and even.
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./number_check_output
Enter a number: 991

991 does not satisfy given condition.
```

Program 4:

//Program to check if a person senior citizen and male

```
#include<stdio.h>
int main(){
    int age;
    char gender;
    printf("Enter your age and gender:\n");
    scanf("%d %c",&age,&gender);
    if(age>=60 && (gender=='m' || gender=='M') )
        printf("\nYou are a male senior citizen\n");
    else
        printf("\nYou do not satisfy the given conditions\n");
}
```



The image shows a terminal window with a dark background. The prompt is 'vipul@whiplash:~/Codes/Practicals/Experiment3\$'. The first command is './senior_male_output'. The program prompts 'Enter your age and gender:'. The user enters '60' and 'Male' on separate lines. The program outputs 'You are a male senior citizen'. The second command is also './senior_male_output'. The program prompts 'Enter your age and gender:'. The user enters '98' and 'Female' on separate lines. The program outputs 'You do not satisfy the given conditions'.

```
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./senior_male_output
Enter your age and gender:
60
Male

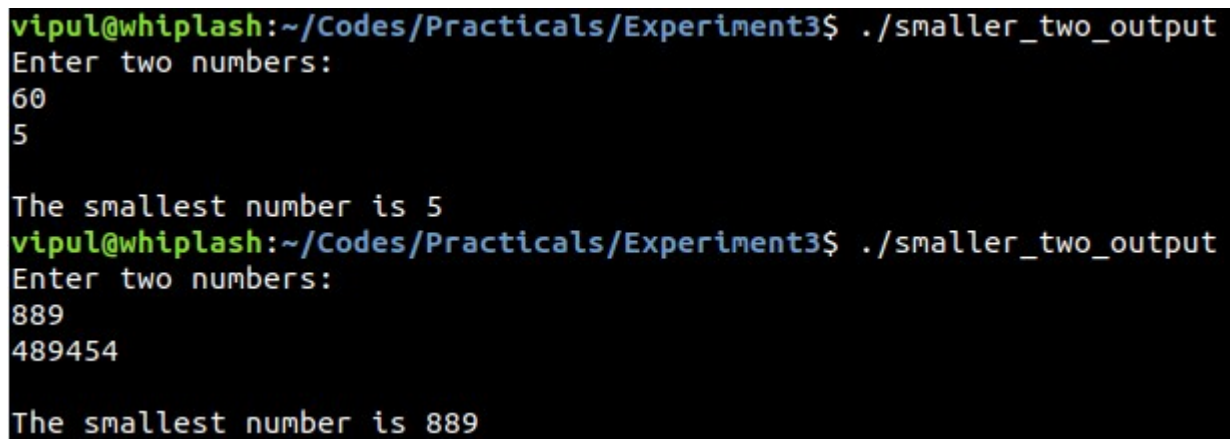
You are a male senior citizen
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./senior_male_output
Enter your age and gender:
98
Female

You do not satisfy the given conditions
```

Program 5:

//Program to find smaller of two numbers using conditional operator

```
#include<stdio.h>
int main(){
    int num1,num2,smaller;
    printf("Enter two numbers:\n");
    scanf("%d %d",&num1,&num2);
    smaller=(num1<num2?num1:num2);
    printf("\nThe smallest number is %d\n",smaller);
}
```



```
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./smaller_two_output
Enter two numbers:
60
5
The smallest number is 5
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./smaller_two_output
Enter two numbers:
889
489454
The smallest number is 889
```

Program 6:

//Program to find greater of three number using conditional operator

```
#include<stdio.h>
int main(){
    int a,b,c,greatest;
    printf("Enter three numbers:\n");
    scanf("%d %d %d",&a,&b,&c);
    greatest=( a>b)?( a>c)?a:c):( b>c)?b:c );
    printf("\n%d is the greatest number.\n",greatest);
}
```

```
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./greater_three_output
Enter three numbers:
15
56
1
56 is the greatest number.
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./greater_three_output
Enter three numbers:
1
98
484
484 is the greatest number.
vipul@whiplash:~/Codes/Practicals/Experiment3$ ./greater_three_output
Enter three numbers:
894
4
48
894 is the greatest number.
```