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");
}
```

```
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 satisy given condition.\n",num);
}
```

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

46 does not satisy 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 satisy 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 satisy the given conditions\n");
}
```

```
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 satisy 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.
```