Program-1

A C program to find area of circle

Formula: Area of circle= πr^2

Program code:

```c
#include<stdio.h>
#define PI 3.142

int main()
{
float radius ,area;
printf("enter the radius of the circle: ");
scanf("%f",&radius);
area = PI* radius*radius;
printf("Area of the circle: %.2f\n", area);
return 0;
}
```

Sample output:

enter the radius of the circle: 3
Area of the circle: 28.28

Program-2:

Write a C program to show working of relative operators

Program code:

```c
#include<stdio.h>
void main()
{
int a=10,b=20;
printf("%d<%d =%d \n",a,b,a<b);
printf("%d>%d =%d\n",a,b,a>b);
printf("%d<=%d =%d\n",a,b,a<=b);
printf("%d>=%d =%d\n",a,b,a>=b);
printf("%d==%d =%d\n",a,b,a==b);
printf("%d!=%d =%d\n",a,b,a!=b);
}
```

Output:

```
10<20 =1
10>20 =0
10<=20 =1
10>=20 =0
10==20 =0
10!=20 =1
```