```c
/*

        experiment 3
    WAP TO FIND  calculator using switch

        Name : zuyan shaikh
        UIN : 241P133
        Div : FE-D

        experiment=3



    #include<stdio.h>
int main(){
    // variables three float and char
    float num1,num2,result;
    char operation;

    printf("\t\t\t *** Basic Calculator *** \t\t\t\n");

    printf("Operations:\n\n");

    // Display Operations Info
    printf("Addition\t : +\n");
    printf("Subraction\t : -\n");
    printf("Multiplication\t : *\n");
    printf("Division\t : /\n");
    printf("Modulus\t\t : %%\n");
    printf("Exit\t\t : @\n");

    while(1){

    // Get Input From User
    printf("Enter Num1:");
    scanf("%f", &num1);
    printf("Enter Num2:");
    scanf("%f", &num2);
    printf("Enter Operation:");
    scanf(" %c", &operation);

    switch(operation){
    case '+' :
        result = num1 +num2;
        printf("%.1f + %.1f = %.1f", num1,num2,result);
        break;

    case '-':
        result = num1-num2;
        printf("%.1f - %.1f = %.1f",num1,num2,result);
        break;

    case '*':
        result = num1*num2;
        printf("%.1f * %.1f = %.1f",num1,num2,result);
        break;

    case '/':
        result = num1/num2;
        printf("%.1f / %.1f = %.1f\n\n",num1,num2,result);
        break;

    case '%':
        printf("%d mod %d = %d\n\n", (int)num1, (int)num2, (int)num1 % (int)num2);

        break;

    case '@':

        printf("Thank you for usig calculator");
        return 0;
    }

    }
```

```
75
76
77
78
79      return 0;
80          }
```