I

```
#include <stdio.h>
#include <math.h>
int main()
{
    float num1, num2, result;
    int op, i, j, result_char;
    i=0;
    while(1)
    {
      printf("\n\n The operation to Perform \n");
      printf("Addition: '1' \n");
      printf("Subtraction: '2' \n");
      printf("Multiplication: '3' \n");
      printf("Division: '4' \n");
      printf("Greater than: '5' \n");
      printf("Greater than or Equal to: '6' \n");
      printf("Lesser than: '7' \n");
      printf("Lesser than or Equal to: '8' \n");
      printf("Power: '9' \n");
      printf("Square Root: '10' \n");
      printf("Exit: '0' \n");
      printf("Enter Your Response: ");
      scanf("%d", &op);
      if (op==0)
      {
        printf("\n Thank you for using the calculator\n");
        printf("Exiting....");
        break;
      }
    else if (op==10)*
    {
      printf("\n Enter the Numbers: ");
      scanf("%f", &num1);
      result=sqrt(num1);
```

```
printf ("Result = %f", result);
continue;
}.
printf("\n Enter the first Number = ");
scanf("%f", &num1);
printf("\n Enter the second Number = ");
scanf("%f", &num2);
switch (op)
{
    case 1:
    result = num1 + num2;
    break;
    case 2:
    result = num1 - num2;
    break;
    case 3:
    result = num1 * num2;
    breake;
    case 4:
    result = num1 / num2;
    case 5:
    ~~result = num1~~ result_char = num1 > num2;
    breake;
    case 6:
    result_char = num1 >= num2;
    break;
    case 7:
    result_char = num2 > num1;
    break;
    case 8:
    result_char = num2 >= num1
    break;
```

```
        case 9:
        result = pow(num1, num2);
        break;
    }
    if(op>=5 && op<=8)
    {
      if (result-char==0)
        {
          printf("\n Result : False \n");
        }
      else
        {
          printf("\n Result : True \n");
        }
    }
    else
    {
      printf("Result = %f ", result);
    }
  }
  return 0;
}
```

II

```
#include <stdio.h>

void sumaver(num1, num2)
{
    float sum, avge;
    sum = num1 + num2;
    printf("\n Sum = %f\n", sum);
    avg = sum / 2.
    printf("\n Aveage = %.6 \n", avg);
}

void printeven (num1, num2)
{
    int i, small, large;
    small = num1 < num2 ? num1 : num2;
    large = num1 > num2 ? num1 : num2;
    printf("\n The even numbers between %d and %d are: \n",
                                                small, large);
    for (i=small+1; i<large; i++)
    {
        if (i%2 == 0)
        {
            printf("%d ", i);
        }
    }
}
int main()
{
    int a, b, c;
    int large_num, sec_large_num;
    printf("Enter the Three numbers = ");
    scanf("%d%d%d", &a, &b, &c);
    large_num = a>b ? (a>c ? a:c) : (b>c ? b:c);
sec_large_num = a>b ? (a>c ? (b>c ? b:c) : a) : (b>c ? (a>c ? a:c) : b);
```

```
printf("\n largest number = %d \n", large_num);
printf("\n second largest number = %d \n", sec_large_num);
swap(&large_num, &sec_large_num);
printf("%d %d", large_num, sec_large_num);
return 0;
}
```