1. #include <stdio.h>
void main ()
{
int a, b, choice; min, max
printf ("Enter two nums: ");
scanf ("%d %d", &a, &b);
do
{
printf ("\n menu\n 1 for addition \n 2 for subtraction\n 3 for multiplication\n 4 for division\n 5 for Min/Max \n 6 for Even check\n 7 for Divisible by 5 to\n 8 for Divisible by 10\n 9 for Get a%b\n 10 for Square of No.s\n 11 for exit \n");
scanf ("%d", &choice);

Switch (choice)
{
case 1: printf ("%d + %d = %d", a, b, a+b);
break;
Case 2: printf ("%d - %d = %d", a, b, a-b);
break;
case 3: printf ("%d * %d = %d, a, b, a*b);
break;

```
case 4: printf("%d / %d = %d", a, b, a/b);
break;
case 5: if (a > b) {
            max = a;
            min = b;
        printf("Max = %d & Min = %d", a, b);
        } else if (b > a) { max = b
                            min = a }
        else
            printf("Both are same");
break;
case 6: if (a % 2 == 0)
            printf("%d is even\n", a);
        else
            printf("%d is even", b);
        if (b % 2 == 0)
            printf("%d is even\n", b);
        else
            printf("%d is odd\n", b);
break;
case 7: if (a % 5 == 0)
            printf("%d is divisible by 5\n");
        else
            printf("%d is not divisible by 5\n", a);
        if (b % 5 == 0)
            printf("%d is divisble by 5\n", b);
```

```
        else
            print ("%d is not devisible by 5\n", b);
    break;
    case 8 : if (a%10==0)
                printf("%d is divisible by 10\n",a);
             else
                printf("%d is not divisible by 10\n",a);
             if (b%10==0)
                printf("%d is divisible by 10\n", b);
             else
                printf("%d is not divisible by 10\n", b);
    break;
    case 9:  printf ("%d", a%b);
    break;
    case 10: printf ("%d\t%d ", a*a, b*b);
    break;
    case 11: printf ("exist");
    break;
    default: printf("Enter integer in
                     range 1 to to11\n");
    }
    if (choice == 11)
    break;
  } while (1);
}
```

1. Out Put:

```
Enter two nums : 10.
5
Menu
1 for addition.
2 for multiplication Subtraction
3 for multiplication
4 for division.
5 for Min / Max
6 for Even check
7 for Divisible by 5
8 for Divisible by 10
9 for Get a to b.
10 for Square of No.s.
11 for exist
4
10 / 5 = 2.
menu.
```

1 for addition
2 for subtraction
3 for multiplication
4 for division
5 for Min / Max
6 for Evencheck
7 for Devisible by 5
8 for Devisible by 10.
9 for Get a%b
10 for Square of No.s
11 for exit

11
exit
Process finished.

2.
```
# include <stdio.h>
float sumaver ( int i, int j) {
  int Sum;
  float avg;
  sum = i + j;
  avg = sum / 2.0;
  printf ("Sum of larger No.s = %d \n", sum);
  return avg;
}

void printeven (in i, int j) {
  int max, min, k;
  if (i > j) { max = i;
               min = j; }
  else { max = j;
         min = i; }
  Printf ( " Even No.s are: \n ");
  for (k = min+1; k < max; k++)
  {
    if (k % 2 == 0)
      printf ("%d \t", k);
  }
}
```

```
int main()
{
  int a, b, c, m1, m2;
  float ag;
  printf("Enter three Numbers:");
  scanf("%d %d %d", &a, &b, &c);
  if (a>b || a>c) {
     m1 = a;
   if (b>c)
     m2 = b;
   else
     m2 = c;
   }
  else { m1 = b;
         m2 = c; }
  ag = sumaver(m1, m2);
  printf("Average of larger No.s = %f \n", ag);
  print even(m1, m2);

  return 0;
}
```

2. Out Put :-

```
Enter three Numbers : 4
3
17

Sum of larger No.s = 21
Average of larger No.s = 10.500000
Even No.s are :
6  8  10  12  14  16
```