1.

```c
#include <stdio.h>
void main()
{   int num1, num2, opt;
    printf("Enter the first integer :");
    scanf("%d", &num1);
    printf("Enter the second integer : ");
    scanf("%d", &num2);

    printf("\n Input your option : \n");
    printf(" 1- Addition.\n 2- Substraction.\n 3- Multiplication
        .\n4 - Division.\n 5 - Equal.\n 6 - not equal.\n7-
        Greater.\n 8 - Smaller.\n 9 - odd or even (num 1).\n
        10 - odd or even (num 2).\n 11 - exit.\n");

    scanf("%d", &opt);

    switch (opt)
    {
    case 1:
        printf("The Addition of %d and %d is : %d\n"
                        , num 1, num2, num1+num2);
        break;
    case 2:
        printf("The Substration of %d and %d is : %d\n"
                        , num1, num2, num1-num2);
        break;
    case 3:
        printf(" The Multiplication of %d & %d is : %d\n"
                        , num1, num2, num1 * num2);
        break;
```

```c
case 4':
    if (num2 == 0)
    { printf("The second integer is Zero. Divide by Zero\n");
    }
    else
    { printf("The Division of %d and %d is : %d \n"
                , num1, num2, num1/num2);
    }.
    break;

case 5:
    if (num1 == num2)
    { printf("The two integers %d and %d are equal"
                , num1, num2);
    }
    else
    { printf("The two integers are not equal");
    }
    break;

case 6':
    if (num1 != num2)
    { printf("The two integers %d and %d are
                not equal", num1, num2);
    }
    else
    { printf("The two integers are equal");
    }
    break;
```

```c
case 7:
    if (num1 > num2)
    { printf("%d is greater than %d", num1, num2);
    }
    else {
    printf("%d is not greater than %d", num1, num2);
    }
    break;
case 8:
    if (num1 < num2)
    { printf("%d is smaller than %d", num1, num2);
    }
    else
    { printf("%d is not smaller than %d", num1, num2);
    }
    break;
case 9:
    if (num1 % 2 == 0)
    { printf("the integer %d is even number", num1);
    }
    else
    { printf("The integer %d is odd", num1);
    }
    break;
```

```c
case 10:
    if (num2.1.2 === 0)
    { printf ("the integer 1.d is even ", num2);
    }
    else
    { printf (" The integer 1.d is odd ", num2);
    }
    break;

case 11:
    break;

default:
    printf (" Input correct option \n");
    break;
}

}
```

2].

```c
#include <stdio.h>
int main()
{
    int a, b, c, x, y, flag;
    printf("Enter three numbers : \n");
    scanf("%d %d %d", &a, &b, &c);
    x = largestNum of three (a, b, c);
    if (x == a)
        y = largest Num of two (b, c);
    else if (x == b)
        y = largest Num of two (a, c);
    else
        y = largest Num of two (a, b);

    printf("The largest two numbers of given three
            are %d and %d \n", x, y);

    Sum avg (x, y);
    print even (x, y);

    return 0;
}

int largest Num of three (int n1, int n2, int n3)
{
    int largest = 0;
    if (n1 > n2 && n1 > n3)
        largest = n1;
```

```c
    else if (n2 > n1 && n2 > n3)
        largest = n2;
    else
        largest = n3;
    return largest;
}

void sumavg (int n1, int n2)
{
    printf ("The average : %d \n", ((a+b)/2));
    printf ("The sum : %d \n", (a+b));
}

void printeven (int n1, int n2)
{
    int i;
    printf ("Even numbers between %d to %d :", n2, n1);
    for (i = n2; i <= n1; i++)
    {
        if (i%2 == 0)
        {
            printf ("%d", i);
        }
    }
}

int largestNumoftwo (int n1, int n2)
{
    int largest = 0;
    if (n1 > n2)
        largest = n1;
```

```
else if (n2 > n1)
    largest = n2;

return largest;

}
```