

Quest 1. # include <stdio.h>

int main()

```
{
    int choice = 0, a, b;
    printf ("1. Addition\n");
    printf ("2. Subtraction\n");
    printf ("3. Multiplication\n");
    printf ("4. Division\n");
    printf ("5. Modulus\n");
    printf ("6. Greater than\n");
    printf ("7. Not equals to\n");
    printf ("8. Increment operator\n");
    printf ("9. Less than equals to\n");
    printf ("10. equals to\n");
    printf ("11. Exit\n");
    printf ("Enter the two numbers: \n");
    scanf ("%d %d", &a, &b);
    label: printf ("Enter your choice: \n");
    scanf ("%d", &choice);
    if (choice <= 11)
    {
```

```
        if (choice == 1)
        {
            printf ("addition: %d\n", a+b);
```

```
            goto label;
        }
```

```
        else if (choice == 2)
```

```
        {
            printf ("subtraction: %d\n", a-b);
```

```
            goto label;
        }
```

```
    }
```

else if (choice == 3)

{
 printf("multiplication: %d\n", a * b);
 goto label;
}

else if (choice == 4)

{
 printf("division: %d\n", a / b);
 goto label;
}

else if (choice == 5)

{
 printf("modulus: %d\n", a % b);
 goto label;
}

else if (choice == 6)

{
 if (a > b)
 printf("%d is greater than %d", a, b);
 else

 printf("%d is greater than %d", b, a);
 goto label;
}

else if (choice == 7)

{
 if (a != b)
 printf("%d is not equal %d\n", a, b);
 else

 printf("%d is equal to %d\n", b, a);
 goto label;
}

else if (choice == 8)

{
 printf ("Increment of %d and %d is
 %d and %d\n", a, b, a++, b++);

 goto label;

}

else if (choice == 9)

{

 if (a < b)

 printf ("less\n");

 else

 printf ("false\n");
 goto label;

}

else if (choice == 10)

{

 if (a == b)

 printf ("%d and %d are equal\n", a, b);

 else

 printf ("%d and %d are not equal\n", a, b);
 goto label;

}

else if (choice == 11)

 goto end;

}

end: return 0;

}


```
# include <stdio.h>
```

```
int sumaver (int, int);
```

```
int (printer (int);
```

```
int main()
```

```
{
```

```
int a, b, c, h1, h2, num;
```

```
printf ("Enter the three numbers: \n");
```

```
scanf ("%d%d%d", &a, &b, &c);
```

```
if (a < b && a < c)
```

```
{
```

```
h1 = b;
```

```
h2 = c;
```

```
}
```

```
else if (b < a && b < c)
```

```
{
```

```
h1 = a;
```

```
h2 = c;
```

```
}
```

```
else
```

```
{
```

```
h1 = a;
```

```
h2 = b;
```

```
}
```

```
printf ("The sum of and average of two higher nos \n");
```

```
int f1 = sumaver (h1, h2);
```

```
printf ("%d \n", f1);
```

```
printf ("Even number between two higher numbers: \n");
```

```
for (num = h1; num < h2; num++)
```

```
{
```

```
int f2 = printer (num);
```

```
printf ("%d \n", f2);
```

```
}
```

3 return 0;

4 whenever (int n, int y)

5 int sum = 0;

6 printf ("%d\n", sum);

7 int avg = sum/2;

8 return avg;

9

10 printf ("%d\n",

11 if (n%2 != 0)

12 return 0;

13 else

14 return n;

15