

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("%.1d / %.1d = %.1d", a, b, a/b);  
break;

case 5: if (a > b) {  
    max = a;  
    min = b;  
    printf("Max = %.1d & Min = %.1d", a, b);  
} else if (b > a) { max = b  
    min = a }  
else  
    printf("Both are same");  
break;

case 6: if (a % 2 == 0)  
    printf("%.1d is even", a);  
else  
    printf("%.1d is odd", a);  
if (b % 2 == 0)  
    printf("%.1d is even", b);  
else  
    printf("%.1d is odd", b);  
break;

case 7: if (a % 5 == 0)  
    printf("%.1d is divisible by 5", a);  
else  
    printf("%.1d is not divisible by 5", a);  
if (b % 5 == 0)  
    printf("%.1d is divisible by 5", b);



```

else
    printf("%d is not divisible 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 * %d", a * a, b * b);
break;
case 11: printf("exit");
break;
default: printf("Enter integer in
range 1 to 11\n");
}
if (choice == 11)
    break;
} while (1);
}

```

## 1. Out Put:

Enter two num3 : 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 Divisible by 5
- 8 for Divisible 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 (int 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 = sumover(m1, m2);
    printf("Average of larger No. is: %.2f\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