

store
67

DOJ Lab Observation

Program 1

```
#include <stdio.h>
#include <math.h>
#include <stdlib.h>
void main ()
{
    int a, b, choice;
    float avg;
    printf("Enter the first number\n");
    scanf("%d", &a);
    printf("Enter the second number\n");
    scanf("%d", &b);
    while (1)
    {
        printf("Enter the choice\n");
        printf("1-Addition 2-Subtraction\n");
        printf("3-Multiplication 4-Division\n");
        printf("5-Greatest of two numbers\n");
        printf("6-Smallest of two numbers\n");
        printf("7-Check if the two numbers are\n");
        printf("equal 8-Check if the two\n");
        printf("numbers are different\n");
    }
}
```



```
printf("9- Remainder 10- Average  
0 - To exit\n");  
scanf("%d", &choice);  
switch(choice)  
{
```

```
case 1:
```

```
printf("Sum = %d", a+b);  
break;
```

```
case 2:
```

```
printf("Difference = %d", a-b);  
break;
```

```
case 3:
```

```
printf("Product = %d", a*b);  
break;
```

```
case 4:
```

```
printf("Quotient = %d", a/b);  
break;
```

```
case 5:
```

```
if (a > b)
```

```
printf("Largest = %d", a);
```

```
else
```

```
printf("Largest = %d", b);
```

```
break;
```

```
case 6:
```

```
if (a < b)
```


store
67

```
printf("smallest = %d", a);  
else  
printf("smallest = %d", b);  
break;  
case 7:  
if (a == b)  
printf("The numbers are equal\n");  
else  
printf("The numbers are not equal\n");  
break;  
case 8:  
if (a != b)  
printf("The numbers are different\n");  
else  
printf("The numbers are same\n");  
break;  
case 9:  
printf("Remainder = %d", a % b);  
break;  
case 10:  
printf("Average = %f", (a + b) / 2.0);  
break;  
case 0:  
exit(0);  
default:
```



```
printf("Invalid input\n");
```

```
}
```

```
}
```

```
}
```


store
67

program - 2

```
#include <stdio.h>
float sumaver (int x, int y)
{
    printf ("Sum: %d\n", x+y);
    return ((x+y)/2.0);
}
```

```
void printeven (int x, int y)
{
    printf ("All the even from numbers from  

    %d to %d are\n", y, x);
    for (int i = y; i <= x; i++)
    {
        if (i % 2 == 0)
            printf ("%d ", i);
    }
}
```

```
int main()
{
    int a[3], g1, g2, t;
    printf ("Enter the three numbers\n");
    scanf ("%d %d", &a[0], &a[1], &a[2]);
    for (int i = 0; i < 3; i++)
    {
```



```
for (int i = 0, j = 3; j < 3; j++)
```

```
{  
    if (a[i] < a[j])
```

```
{  
        t = a[i];  
        a[i] = a[j];  
        a[j] = t;  
    }
```

```
}
```

```
}
```

```
g1 = a[0];
```

```
g2 = a[1];
```

```
float aver = summa(g1, g2);
```

```
printf("Average: %.f\n", aver);
```

```
printf(g1, g2);
```

```
return 0;
```

```
}
```