

```

1(program)
#include<stdio.h>
#include<math.h>
void main()
{
int a,b,c;
float avg;
printf("Enter the first number\n");
scanf("%d",&a);
printf("Enter the second number\n");
scanf("%d",&b);
while(1)
{
printf("\nEnter the choice\n");
printf("\n 1-Addition \n 2-Subtraction \n 3-Multiplication \n 4-Division");
printf("\n 5-Greatest of two numbers \n 6-Smallest of two numbers \n 7-The two numbers are
equal \n 8-The two numbers are not equal \n 9-Remainder \n 10-Average\n 0-To exit\n");
scanf("%d",&c);
switch(c)
{
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("The Greatest number among the two is %d",a);
else
printf("The Greatest number among the two is %d",b);
break;
case 6:
if(a<b)
printf("The Smallest number among the two is %d",a);
else
printf("The Smallest number among the two is %d",b);

```

```
        break;
case 7:
    if(a==b)
        printf("True\n");
    else
        printf("False\n");
    break;
case 8:
    if(a!=b)
        printf("True\n");
    else
        printf("False\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!Please try again later\n");
}
}
}
```

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main.c

1#include<stdio.h>

2#include<math.h>

3void main()

4{

5

Run

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Language C

main.c:62:6: warning: implicit declaration of function 'exit' [-Wimplicit-function-declaration]

main.c:62:6: warning: incompatible implicit declaration of built-in function 'exit'

main.c:62:6: note: include '<stdlib.h>' or provide a declaration of 'exit'

Enter the first number

10

Enter the second number

20

Enter the choice

1-Addition

2-Subtraction

3-Multiplication

4-Division

5-Greatest of two numbers

6-Smallest of two numbers

7-The two numbers are equal

8-The two numbers are not equal

9-Remainder

10-Average

0-To exit

input

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14:12

20-09-2020

2(program)

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

```
float sumaver(int x,int y)
```

```
{
    printf("Sum: %d\n",x+y);
    return((x+y)/2);
}
```

```
void printeven(int x,int y)
```

```
{
    printf("All the even numbers from %d to %d\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%d",&a[0],&a[1],&a[2]);
    for(int i=0;i<3;i++)
    {
        for(int j=i+1;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=sumaver(g1,g2);
printf("Average: %f\n",aver);
printeven(g1,g2);
return 0;
```

}

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main.c

```
1 #include <stdio.h>
2 float sumaver(int x,int y)
3 {
4     printf("Sum: %d\n",x+y);
5     return (x+y)/2;
6 }
```

Input

Enter the three numbers

4

5

6

Sum: 11

Average: 5.000000

All the even numbers from 5 to 6

6

...Program finished with exit code 0

< Press ENTER to exit console.

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15:03
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