



Experiment: 1

Aim: Input two numbers and prints its square and cube.

Software: Dev C++

Code:

```
#include<stdio.h>

double cube(int a)
{
    double cube_ans;
    cube_ans=a*a*a;
    return cube_ans;
}

double square(int b)
{
    double square_ans;
    square_ans= b*b;
    return square_ans;
}

int main()
{
    double num1,num2;

    printf("Enter The Number-1:-");
    scanf("%lf",&num1);

    printf("Enter The Number-2:-");
    scanf("%lf",&num2);

    printf("The Square Of Number-1 Is %.2lf\n",square(num1));
    printf("The Square Of Number-2 Is %.2lf\n",square(num2));
    printf("The Cube Of Number-1 Is %.2lf\n",cube(num1));
    printf("The Cube Of Number-1 Is %.2lf\n",cube(num2));

    return 0;
}
```


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Output:

 D:\Aryan\Sem-1\ICP\Daily Lab Assignment\Assignment-2\Experiment-1.exe

```
Enter The Number-1:-4
Enter The Number-2:-5
The Square Of Number-1 Is 16.00
The Square Of Number-2 Is 25.00
The Cube Of Number-1 Is 64.00
The Cube Of Number-1 Is 125.00

-----
Process exited after 2.245 seconds with return value 0
Press any key to continue . . .
```

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Experiment: 2

Aim: Verify the formula $x = ((k-4)*(a*4))/100$

Software: Dev C++

Code:

```
#include<stdio.h>

int main()
{
    int k,a;
    float x;

    printf("Enter the Value of A:-");
    scanf("%d",&a);

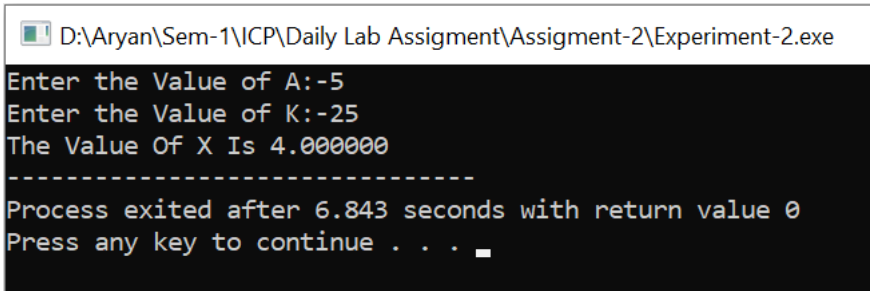
    printf("Enter the Value of K:-");
    scanf("%d",&k);

    x=(((k-4)*(a*4))/100);

    printf("The Value Of X Is %f",x);

    return 0;
}
```

Output:



```
D:\Aryan\Sem-1\ICP\Daily Lab Assignment\Assignment-2\Experiment-2.exe
Enter the Value of A:-5
Enter the Value of K:-25
The Value Of X Is 4.000000
-----
Process exited after 6.843 seconds with return value 0
Press any key to continue . . .
```

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Experiment: 3

Aim: Calculate the area of Triangle.

Software: Dev C++

Code:-

```
#include<stdio.h>

int main()
{
    double base,height,area;

    printf("Enter The Height Of Triangle:-");
    scanf("%lf",&height);


    printf("Enter The Base Of Triangle:-");
    scanf("%lf",&base);

    area=0.5*base*height;

    printf("The Area OF Triangle Is %.2lf sqm",area);

    return 0;
}
```

Output:

 D:\Aryan\Sem-1\ICP\Daily Lab Assignment\Assignment-2\Experiment-3.exe

```
Enter The Height Of Triangle:-4
Enter The Base Of Triangle:-5
The Area OF Triangle Is 10.00 sqm
-----
Process exited after 9.152 seconds with return value 0
Press any key to continue . . .
```



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Experiment: 4

Aim: Input two numbers and prints its Addition, Subtraction, Multiplication, and division.

Software: Dev C++

Code:-

```
#include<stdio.h>

int main()
{
    int a,b;

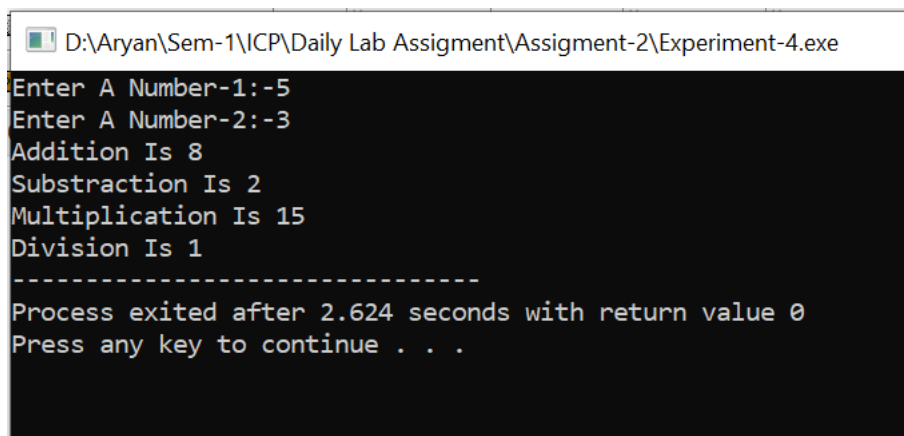
    printf("Enter A Number-1:-");
    scanf("%d",&a);

    printf("Enter A Number-2:-");
    scanf("%d",&b);

    printf("Addition Is %d\n",a+b);
    printf("Substraction Is %d\n",a-b);
    printf("Multiplication Is %d\n",a*b);
    printf("Division Is %d",a/b);

    return 0;
}
```

Output:-



```
D:\Aryan\Sem-1\ICP\Daily Lab Assigment\Assigment-2\Experiment-4.exe
Enter A Number-1:-5
Enter A Number-2:-3
Addition Is 8
Substraction Is 2
Multiplication Is 15
Division Is 1
-----
Process exited after 2.624 seconds with return value 0
Press any key to continue . . .
```

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Experiment: 5

Aim:- Input a Number of Chairs and its Total Cost and Prints the Cost of Each chair

Software:- Dev C++

Code:-

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

```
int main()
{
    double num,cost;

    printf("Enter The Number Of Chairs:-");
    scanf("%lf",&num);

    printf("Enter The Total Cost:-");
    scanf("%lf",&cost);

    printf("The Cost Of One Chair Is %.2f",cost/num);

    return 0;
}
```

Output:-

```
D:\Aryan\Sem-1\ICP\Daily Lab Assigment\Assigment-2\Experiment-5.exe
Enter The Number Of Chairs:-6
Enter The Total Cost:-300
The Cost Of One Chair Is 50.00
-----
Process exited after 4.703 seconds with return value 0
Press any key to continue . . .
```

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