

Programming

Home Task

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Section : B

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Task: 1

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int f,r;
```

```
    f=6;
```

```
    cout<<"Number is "<<f<<endl;
```

```
    r=(6-0)*(6-1)*(6-2)*(6-3)*(6-4)*(6-5);
```

```
    cout<<"The Factorial of "<<f<<" is "<<r<<endl;
```

```
    return 0; }
```

Task: 2

```
#include <iostream>
```

```
#include <cmath>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    float x1,x2,y1,y2,D;
```

```
    cout<<"Enter value of x1"<<endl;
```

```
    cin>>x1;
```

```
    cout<<"Enter value of y1"<<endl;
```

```
    cin>>y1;
```

```
    cout<<"Enter value of x2"<<endl;
```

```
    cin>>x2;
```

```
    cout<<"Enter value of y2"<<endl;
```

```
    cin>>y2;
```

```
    D = sqrt(pow((x2 -x1),2)+pow((y2-y1),2));
```

```
    cout<<"The Distance between ("<<x1<<","<<y1<<") and ("<<x2<<","<<y2<<") is: "<<D<<endl;
```

```
    return 0; }
```

Task: 3

```
#include<iostream>

using namespace std;

int main()

{

    float cm,m,km;

    cout<<"Enter Value of Length in cm."<<endl;

    cin>>cm;

    m = cm/100;

    km = m/1000;

    cout<<"Length in meters is "<<m<<" and in Kilometers it is "<<km<<endl;

    return 0; }
```

Task: 4

```
#include<iostream>

using namespace std;

int main()

{

    float a,b,p;

    cout<<"Enter Value of a:"<<endl;

    cin>>a;

    cout<<"Enter Value of b:"<<endl;

    cin>>b;

    p = (a*a)+(2*a*b)+(b*b);

    cout<<"The answer of the Polynomial is: "<<p<<endl;

    return 0; }
```