

## Fundamentals of Programming

### ASSIGNMENT # 01

**ABDUL MOIZ**

**464834**

**Section B**

```
#include<iostream>

using namespace std;

int main()

/*{ //Question no. 2

int x1, x2, y1, y2;

double d;

cout << "x1 coordinate = ";

cin >> x1;

cout << "y1 coordinate = ";

cin >> y1;

cout << "x2 coordinate = ";

cin >> x2;

cout << "y2 coordinate = ";

cin >> y2;

d = sqrt(((x2 - x1) * (x2 - x1)) + ((y2 - y1) * (y2 - y1)));

cout << "Distance between two points is = " << d << endl;

return 0;

}*/

/*{ //Question no.3

float c, m, km;

cout << "lenght in centimeter = ";

cin >> c;
```

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m = c / 100;
km = c / 100000;
cout << "lenght in meter = " << m << endl;
cout << "lenght in kilometer = " << km << endl;
return 0;
}*/

/*{ Question no.4
float a, b,c;
cout << "value of a = ";
cin >> a;
cout << "value of b = ";
cin >> b;
c = (a * a) + (2 * a * b) + (b * b);
cout << "Result of polynomial = " << c << endl;
return 0;
}*/

/*{ //Question no. 1
float n=6, f;
f = n * (n - 1) * (n - 2) * (n - 3) * (n - 4) * (n - 5);
cout << "Factorial of six =" << f << endl;
return 0;
}*/

```