

```
1 #include <iostream>
2 #include "point.h"
3 #include <cmath>
4 #include <stdlib.h>
5 #include <time.h>
6 using namespace std;
7 point :: point(){ // Default Constructor, sets X = Y = 0
8     x=0;
9     y=0;
10 }
11 point :: point(float x1,float y1){ //Constructor. Initializes both X and Y. Parameters passed from main to
    initialise the data members x and y which store the x and y coordinates, x1 takes the x-coordinate y1
```

Line: 76 Col: 1

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(47,38) belongs to cluster: B
(50,25) belongs to cluster: B
(29,84) belongs to cluster: A
(71,20) belongs to cluster: B
(84,80) belongs to cluster: A
(45,15) belongs to cluster: B
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(16,77) belongs to cluster: B
(28,64) belongs to cluster: B
(57,88) belongs to cluster: A
(42,9) belongs to cluster: B
(35,42) belongs to cluster: B
(64,34) belongs to cluster: B
(13,40) belongs to cluster: B
(16,34) belongs to cluster: B
(43,49) belongs to cluster: B
(77,36) belongs to cluster: A
(73,60) belongs to cluster: A
(18,71) belongs to cluster: B
(80,46) belongs to cluster: A
Program ended with exit code: 0
```