

## Sample Error program questions

1. Debug the Given c++ program to get the following output

### Output

Enter Radius (in cm): 14

Perimeter of the semicircle is 71.96 cm

Area of the semicircle is 307.72 sq.cm

### Program:

```
$ include <iostream.h>

Void main()
{
Int radius

Int pi=3.14
cout << "\n Enter Radius (in cm): ";
cin >> radius;

float perimeter=(pi+2)*radius;

float area=(pi*rad*rad)/2;

cout << "\n perimeter of the semicircle is "<>perimeter>>"cm";

cout << "\n Area of the circle is "<>area>>"sq.cm";

}};
```

**Answers:**

Line No	Error Coding	Corrected Coding
1	\$ include <iostream.h>	#include<iostream>
2	Void main()	int main()
4	Int radius	int radius;
5	Int pi=3.14	float pi=3.14;
6	cout <<"\n Enter Radius (in cm): ;	cout <<"\n Enter Radius (in cm):" ;
9	float area=(pi*rad*rad)/2;	float area=(pi*radius*radius)/2;
10	cout<<"\n.perimeter of the semicircle is ">>perimeter>>"cm";	cout<<"\n Perimeter of the semicircle is " <<perimeter << "cm";
11	cout<<"\n Area of the circle is ">>area>>"sq.cm";	cout<<"\n Area of the circle is " <<area <<"sq.cm";
12	}};	}

return 0;

using namespace std;

2. Debug the Given c++ program to get the following output

**Output**

**The Width of the box is:20**

**The length of the box is:67**

**Program**

```
#include<stream>
```

```
using namespace std;
```

```
classes Box
```

```
{
double width;
public::
double length()
int printwidth()
{
cout<<"\nThe width of the box is:"<<Width;
cout<<"\nThe length of the box is:" <<length;
}
void setWidth(double w, l);
}
void Box?:setWidth(double w,double l)
{
width=w;
length =l;
}
int MAIN()
{
Box obj;
b.setWidth(67.0,20.0);
b.printwidth();
exit 0;
}
```

Error line no	Error	Correct
1	#include<stream>	#include<iostream>
2	using namespace std:	using namespace std:
3	classes Box	class Box
6	public::	public:
13	void setWidth(double w,l);	void setWidth( w,l);
15	void Box?: setWidth(double w, double l)	void Box :: setWidth(double w, double l)
19	int MAIN()	int main()
22	b.setWidth(67.0,20.0)	obj.setWidth(67.0,20.0)
23	b.print Width();	obj.printWidth();
24	exit 0;	return 0;

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