

DAILY ASSESSMENT FORMAT

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Course:	C++	USN:	4AL15EC036
Topic:	Challenge	Semester & Section:	8 A
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FORENOON SESSION DETAILS

Image of session



Report CHALLENGES

Fill in the blanks to declare a class "test" with a "foo()" public member function. Declare a pointer "myPtr" to "test" and call "foo()" via the pointer.

```
class test{
```

```
public :  
  
void foo() {  
    }  
};  
  
*test myPtr = new test();  
myPtr  
-> foo();
```

Rearrange the code to define a function "foo", which throws an exception with a value of "-100" if its parameter is greater than 999. Then "foo" catches its exceptions and prints "error!" to the screen.

```
void foo(int arg)  
{  
    try { if (arg > 999) throw -100; }  
    catch (int x)  
    { cout << "error!" << endl; }  
}
```

What is the output of the following code?

```
int f=1, i=2;  
while(++i<5) {  
    f*=i;  
}
```

```
cout<<f;
```

OUTPUT 12

Drag and drop from the options below to enter two integers and print their division to the screen. Use try and catch blocks to handle division by 0.

```
try{  
int a; int b;  
cin >> a >> b;  
if (b == 0)  
      
    throw 0;  
cout << a / b << endl;  
}  
  
catch (int err) {  
    cout << "error" << endl;  
}
```

Drag and drop from the options below to declare a file object and an associated file "myfile.txt", and write "I work with files" to the file if the file is open. Otherwise, print "Error" to the screen.

```
#include <iostream>  
#include <fstream>  
int main() {  
    ofstream fileObj("myfile.txt");
```

```
if fileObj.is_open() {  
    fileObj << "I work with files";  
    fileObj.close();  
} else {  
    cout << "Error" << endl;  
}  
}
```