

Object-oriented Programming in C++

Practical Worksheet 1

Questions

(Questions marked * need to be submitted to the NOW dropbox.)

(Make a Visual Studio solution file by creating a new Visual Studio project for the first question. Add .cpp files, etc. Add further Visual Studio projects to this solution for each question.)

LECTURE 1

1. Write and run a program that prints your name and address.
2. To find out what your system does about uninitialised variables, write and run a test program that contains the following two lines:

```
int n;  
cout << n << endl;
```

```
/*  
  RESULT: Compiler message: .....  
  .....  
  Output: .....  
*/
```

- 4*. Write a program to display the ASCII codes from 32 to 127 followed by the characters they represent.
6. Write and run a program that reads a grade, A, B, C, D, or F and then prints “excellent”, “good”, “fair”, “poor”, or “failure”. Use the `else if` structure.
7. Modify your program from question 6 so that it uses a `switch` statement.
9. Write and run a program that reads a character and two integers. If the character is one of the three relational operators `=`, `<` or `>`, then the two integers should be compared using that operator and a message describing the result printed. For example a run could look like this:

```
= 33 18  
33 IS NOT equal to 18
```
