## ICS 103, Term 132

## Computer Programming in C Quiz\# 1

Date: Tuesday, Feb. 11, 2014

Q1. Fill the blank in each of the following:
(1) Hard disk is an example of $\qquad$ memory.
(2) The set of instructions that can be executed by the CPU represented in binary format is called $\qquad$ language while when represented using symbolic codes it is called $\qquad$ language.
(3) The main advantages of programming in High level languages like C are
$\qquad$ .
(4) A $\qquad$ turns the Source File into an Object File while $\qquad$ turns the Object File into an Executable.
(5) Software development process is composed of the following steps:
$\qquad$
$\qquad$
$\qquad$
$\qquad$
(6) To read an integer and a real number and store them in variables $x$ and $y$ respectively, the following statement is used:
$\qquad$ .
(7) Anything between the symbols $\qquad$ will be considered a comment, even if they span multiple lines.

Q2. Find the values of the following expressions.

| Expression | Value |
| :--- | :--- |
| (double) (7/2) |  |
| $40 / 3 / 2.0$ |  |
| (int)6.6/(double) 3 |  |
| $5+7 / 2 * 2.0$ | $\mathrm{x}=$ |
| int $\mathrm{x}=5.924 ;$ | $\mathrm{y}=$ |
| double $\mathrm{y}=10 / 4 ;$ |  |

Q3. In the grid below, assume that each square represents a space and each row represents a line on the screen. Show how the output of the following program will be displayed.

```
#include <stdio.h>
int main(void) {
    double i=99.869;
    int j=-124;
    printf("%6.0f%8d\n",i,j);
    printf("%5.1f%9.5f\n",i,i);
    return 0;
}
```



