Name: Id#

ICS 103, Term 132

Computer Programming in C

Quiz# 1

Date: Tuesday, Feb. 11, 2014

# **Q1.** Fill the blank in each of the following:

## \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is volatile memory that can be accessed in any order (as opposed to sequential access memory).

## **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** isa diagram that shows the step-by-step execution of a program.

## Part of the Software development, analyzing the problem involves \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

## In C language, the data type **\_\_\_\_\_\_** is used for representing integers, the data type **\_\_\_\_\_\_\_\_\_** is used for representing real numbers and the data type **\_\_\_\_\_\_\_** is used for representing characters.

## To read a real number and store it in variable **score**, the following statement is used:

## \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

## Anything after the symbol \_\_\_\_\_\_\_\_\_\_ and before the end of the line is considered a comment.

## Compilers translate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Q2.** Find the values of the following expressions.

|  |  |
| --- | --- |
| Expression | Value |
| (double) (23/3) |  |
| 672/100%5 |  |
| (double) 6 / (int) 2.5 |  |
| 14/4\*4.0 |  |
| int x= 1.8; | x = |
| double y= 8/3; | y = |

# **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) {

int i=-956;

double j=99.517;

printf("%7.0f %10.2f\n",j,j);

printf("%3d %6d",i,i);

return 0;

}

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |