**Assignment Policy:**

1. Late assignments will NOT be accepted.
2. Student work individually.
3. Cheating is forbidden in this course and will be considered a **-10 mark**
4. All assignments must be keyboarded **(handwritten work will NOT be accepted).**
5. Assignments should be stapled and placed in an unsealed envelope
6. Your submitted work has to be **neat** and **clean**.
7. Please clearly write your **name**, **section number**, and **student number**.
8. You should add the cover page that has your full information to your answers sheet.

Substantial departures from the above guidelines will NOT be graded.

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*Homework Q1 & Q2 : to be submitted Next Sunday /2/2015*

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**1- Write C statements that accomplish the following: (Note: assume variables already declared)**

1. Print the integer value of the variable max.
2. Read from the user the value of a double variable called salary.
3. Prompt the user a message to ask her to enter her age.
4. using the next variables , write one print statement to give the following output:

int age=25;

double salary = 2500.47;

char gender = ‘M’;

**output:**

Employee is□□□□25 years old

Saralry =□2500.5SR

Gender=M□□

**2- If int x = 2, y = 14, z = 4, evaluate each of the following expressions: (Note: show the steps)**

- (x + y) % z

- y + z \* x

- x \* (x - z) + y

- (y + z) + y / x

**3- Find the errors in the following code and correct them: (7 errors)**

|  |  |  |
| --- | --- | --- |
| **Code** | **Error** | **Correction** |
| #include <stdio> |  |  |
| int main (void) |  |  |
| { |  |  |
| double sum=50.4; |  |  |
| int n1=22; n2; |  |  |
| printf(“Please Enter your second number ”); |  |  |
| scanf(“%d\n”, n2); |  |  |
| n1+n2 = sum; |  |  |
| print(“ sum is: %d”, sum); |  |  |
| printf(‘ n1 is: %d’, n1); |  |  |
| printf(“ n2 is : /d”, n2); |  |  |
| printf(“%d”, n1 = = n2); |  |  |
| } |  |  |

**4- Write down the output of the following programs: (Note: represent each space with a ~)**

a)

#include<stdio.h>

int main( void )

{

int max=26;

int min = 3;

printf(" The result of dividing %d by %d is equal to %d \n",max, min, max/min);

printf(" The remainder from dividing %d by %d is equal to %d \n",max, min, max%min);

}

**Output:**

|  |
| --- |
|  |

b)

#include<stdio.h>

int main( void )

{

int quiz=3;

double mid=14.765;

printf("Quiz mark:%3d\n", quiz);

printf("Mid mark:%-5.1fout of 15", mid);

}

**Output:**

|  |
| --- |
|  |

c)

#include<stdio.h>

int main( void )

{

int num1=20;

int num2= 40;

int num3= 20;

printf("Value of %d > %d is %d\n",num1,num2,num1> num2);

printf("Value of %d >=%d is %d\n",num1,num3,num1>=num3);

printf("Value of %d != %d is %d",num1,num3,num1!=num2);

}

**Output:**

|  |
| --- |
|  |

**5- Write a program that gets a distance in miles and converts it to kilometers.**

**(note : 1 Km= 1.609 miles).**