

Homework Assignment 2

Part A (30%)

1. C variable cannot start with_____
 - A. An alphabet
 - B. A number
 - C. A special symbol other than underscore
 - D. both (b) and (c)
2. What will be output of the following c program?

```
1  #include<stdio.h>
2  int main(){
3      int xyz=20;
4      int xyz;
5      printf("%d",xyz);
6      return 0;
7  }
```

- A. 20
 - B. 0
 - C. Compilation error
 - D. None of these
3. Which of the following is not derived data type in c?
 - A. Function
 - B. Pointer
 - C. Enumeration
 - D. Array
 - E. All are derived data type

Run the following program and analysis the program output.

```
1  #include <stdio.h>
2  int main()
3  {
4      char c1, c2;
5      c1 = 97;
6      c2 = 98;
7      printf("c1 = %c, c2 = %c\n", c1, c2);
8      printf("c1 = %d, c2 = %d\n", c1, c2);
9
10     return 0;
11 }
```

4. What is the output of this program? Why?

5. If we change the line 5, 6 to

```
C1 = 197;
```

```
C2 = 198;
```

What is the output of this program after you change the code? Why?

6. If we change the line 4 to

```
int c1, c2;
```

What is the output of this program after you change the code? Why?

Part B (70%) Programming Exercises:

1. Writing a C program that displays the following information by using proper data types (e.g., **int**, **float**, **string**) in your terminal output. *The display format should have the same indentation as shown below:*

Courses :	ENGR213
Student Name :	Your Name
Student ID :	Your ID
GPA :	3.7

Please reference the assignment submission guide on the iLearn for submission.