Lab 2

Programming Fundamentals (CS-130-02)

CS 130-02   **Total=100**

Highlight the correct answer for multiple choice question. Add screenshot of code and answers for Programming question. Put comment for the programming questions.

Upload the .java file along with this file on Github and submit it on Moodle.

1. **What programming language are we using in this course?**
   A. C#
   B. C
   C. JAVA
   D. Javascript

2. **The Java compiler converts Java source code to _____.**
   A. Bytecode
   B. Machine code
   C. Assembly
   D. C

3. **To execute a Java program name Application you use: _____.**
   A. java Application.java
   B. javac Application.java
   C. java Application
   D. javac Application

4. **Words that cannot be used as identifiers in Java are called: _____.**
   A. Reserve words
   B. Keywords
   C. Indicated words
   D. Set aside words

5. **Java actually has _____ types of comments, but we will only be using two of them for now.**
   A. 3
   B. 4
   C. 5
   D. 6

6. **Create a class called MyMondaySchedule and print in separate lines your**
   - System.out.println("On Monday I wake up at " + 6 + "AM");

   Print at least 10 lines on how a Typical Monday look like. Use + as a concatenation between two Strings or Strings to integer.

7. **Create a class called Pattern1 and print the following star pattern.**

```
        *

        * *

       * * *

      * * * *

     * * * * *
```

8. **Create a class called Pattern2 and print the star pattern. Use blank spaces as required.**

```
   * * * * * * * * *

     * * * * * * *

       * * * * *

         * * *

           *
```


9. **Write the code that will print the college address exactly as the following example using escape sequence (\n):**

Bellarmine University
2001 Newburg Road
Louisville, Kentucky 40205

Submission:

✓ **Generate a report by taking screenshot of your code and paste it on the document. Comment on what the techniques you have used from your class.**

✓ **Create a new JAVA repository called CS130-Lab2. Upload your .java files into GitHub.**

✓ **Submit your GitHub link on Moodle**

```
[tylerlericos@Tylers-MacBook-Pro Lab2 %                                     ]
[tylerlericos@Tylers-MacBook-Pro Lab2 % javac Pattern2.java                 ]
[tylerlericos@Tylers-MacBook-Pro Lab2 % java Pattern2.java                  ]
* * * * * * * *
* * * * * * *
* * * * *
* * *
*
tylerlericos@Tylers-MacBook-Pro Lab2 %
```

```
🔴 🟡 🟢                    📁 Lab2 — -zsh — 80×24

EscapeSequence.java:4: error: <identifier> expected
public class void main(String[] args)
             ^
1 error
[tylerlericos@Tylers-MacBook-Pro Lab2 % javac EscapeSequence.java           ]
EscapeSequence.java:4: error: <identifier> expected
public class void main(String args[])
              ^
1 error
[tylerlericos@Tylers-MacBook-Pro Lab2 % javac EscapeSequence.java           ]
[tylerlericos@Tylers-MacBook-Pro Lab2 % java EscapeSequence                 ]
Bellarmine University
 20001 Newburg Road
 Louisville, Kentucky 40205
[tylerlericos@Tylers-MacBook-Pro Lab2 % javac EscapeSequence                ]
error: Class names, 'EscapeSequence', are only accepted if annotation processing
 is explicitly requested
1 error
[tylerlericos@Tylers-MacBook-Pro Lab2 % javac EscapeSequence.java           ]
[tylerlericos@Tylers-MacBook-Pro Lab2 % java EscapeSequence                 ]
Bellarmine University
20001 Newburg Road
Louisville, Kentucky 40205
tylerlericos@Tylers-MacBook-Pro Lab2 %
```

```
Last login: Thu Sep  8 08:53:43 on ttys000
[tylerlericos@Tylers-MacBook-Pro ~ % cd /Users/tylerlericos/Downloads/Java/Lab2  ]
[tylerlericos@Tylers-MacBook-Pro Lab2 % javac StarPattern.java                    ]
[tylerlericos@Tylers-MacBook-Pro Lab2 % java StarPattern                          ]
*
* *
* * *
* * * *
* * * * *
tylerlericos@Tylers-MacBook-Pro Lab2 %
```

```
Last login: Wed Sep  7 12:02:19 on ttys000
tylerlericos@Tylers-MacBook-Pro ~ % /Users/tylerlericos/Downloads/Java
zsh: permission denied: /Users/tylerlericos/Downloads/Java
tylerlericos@Tylers-MacBook-Pro ~ % cd /Users/tylerlericos/Downloads/Java
tylerlericos@Tylers-MacBook-Pro Java % javac MyMondaySchedule.java
tylerlericos@Tylers-MacBook-Pro Java % java MyMondaySchedule
On Monday I wake up at 8AM
Then I go to Bellarmine at 10AM
I have computer science at 11AM
Then after that, I go boxing at 12PM
I have lunch at 1PM
I go work and hang out with my friends at 2PM
I get ready for my class at 5PM
Then I have music tech at 6PM
Then I go home, have dinner, and get ready for bed at 8PM
Finally I go to sleep at. 10PM
tylerlericos@Tylers-MacBook-Pro Java %
```