### MTS 3033 Object Oriented Programming

Name:

Matric ID:

Group:

### **Assignment #2 (Due Date 14/11/21 @ 11pm)**

Instruction: Written and paste your print screen on this worksheet. Write your program using Notepad and compile using Command Prompt.

## Part A: (20 marks; 10 marks each)

1. Anisa is a clerk at ABZ food Trading. Her job is to enter details of new employee(s) with following details: name, id, position, salary. Create appropriate class(es) of new employee using appropriate variables, constructor and methods. Output suitable results.

## \*Notepad\*

```
Employee - Notepad
File Edit Format View import java.util.*;
public class Employee {
      int id;
String name;
String pos;
float sal;
   public static void main(String args[]) {
             Employee emp[] = new Employee[k];
             for (int i = 0; i < k; i++)
    emp[i] = new Employee();</pre>
                     System.out.println();
                    System.out.println();
System.out.println("Enter New Employee data! [" + (i + 1) + "]");
System.out.println();
System.out.println("Enter New Employee ID : ");
emp[i].id = sc.nextInt();
System.out.println("Enter New Employee Name : ");
                    emp[i].name = sc.next();

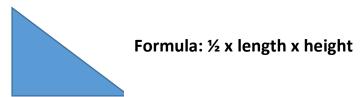
System.out.println("Enter New Employee Position : ");

emp[i].pos = sc.next();
                     emp[i].pos = sc.next();
System.out.println("Enter New Employee Salary : ");
emp[i].sal = sc.nextFloat();
                                                         --- All new employee details for ABZ Food Trading |-----");
              System.out.println("==
System.out.println();
             for (int i = 0; i < k; i++) {
    System.out.println("Employee ID :" + emp[i].id + " ");
    System.out.println("Employee Name :" + emp[i].name + " ");
    System.out.println("Employee Position :" + emp[i].pos + " ");
    System.out.println("Employee Salary :" + emp[i].sal + " ");
    System.out.println();</pre>
                                                                                                                                                                                                           100% Windows (CRLF)
                                                                          🟭 🔎 🕍 🛄 🔎 📜 🛅 💞 👂 🍩
```

# \*Command Prompt\*

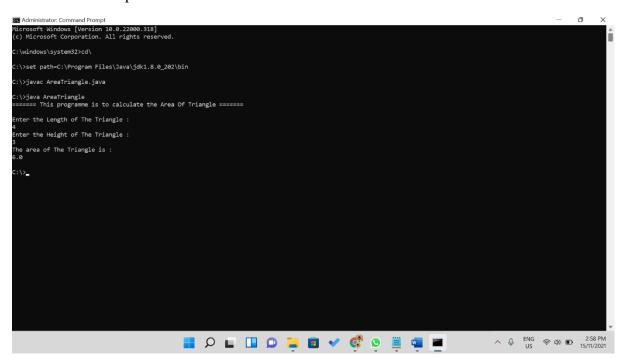
```
Administrator Command Prompt
Microsoft Windows [Version 10.0.22000.318]
(c) Microsoft Corporation. All rights reserved.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C:\windows\system32>cd\
 C:\>set path=C:\Program Files\Java\jdk1.8.0_202\bin
 C:\>javac Employee.java
C:\>java Employee
====== WELCOME TO EMPLOYEE DATA IN ABZ FOOD TRADING =======
 Enter How many new employee for ABZ Food Trading :
 Enter New Employee data! [1]
Enter New Employee ID :
111
Enter New Employee Name :
Izzul
Enter New Employee Position :
Programmer
 Programmer
Enter New Employee Salary :
 Enter New Employee data! [2]
Enter New Employee ID :
122
   122
Enter New Employee Name :
  Najwa
Enter New Employee Position :
 Developer
Enter New Employee Salary :
4500
 Enter New Employee data! [3]
  Enter New Employee ID :
 Enter New Employee Name :
Yusuf
Enter New Employee Position :
    Contributor
Enter New Employee Salary :
8600
          ===== All new employee details for ABZ Food Trading =======
     mployee ID :111
mployee Name :Izzul
mployee Position :Progra
mployee Salary :5000.0
      mployee ID :122
mployee Name :Najwa
mployee Position :Developer
mployee Salary :4500.0
      mployee ID :133
mployee Name :Yusuf
mployee Position :Contributor
mployee Salary :3600.0
                                                                                                                                                                ■ P III P I
```

2. Create appropriate Java program using 2 class, 1 constructor and 1 method to calculate area of triangle. Output the results.



### \*Notepad\*

# \*Command Prompt\*



## Part B: (10 marks)

Program 1.0 contains error(s). Fix the error(s), compile and output the results as shown in command prompt below.

```
Administrator: Command Prompt

Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\User>cd\
C:\Set path=C:\Program Files\Java\jdk1.8.0_281\bin
C:\Sjavac postcovid.java
C:\Sjava postcovid
Result positive
Please quarantine 14 Days at Home
Result negative
Yes U can go for vacation!

C:\>_______
```

```
_ D X
File Edit Format View Help
//Fix the error
class postcovid
  resultpositive()
    System.out.println("Result positive");
  void results1()
    System.out.println("Please quarantine 14 Days at Home");
public static void main(String[]args)
  resultpositive r1= new postcovid();
resultnegative r2=new negcovid();
  r1.results2();
r2.results1();
class negcovid
  resultnegative()
    System.out.println("Result negative");
  void results2()
    System.out.println("Yes U can go for vacation!");
```

Program 1.0

```
*Notepad*
                                                                                                                            0
postcovid - Notepad
File Edit Format View Help
//error fixed
class postcovid
  postcovid()
   System.out.println("Result Positive");
  void results1()
   System.out.println("Please quarantine 14 Days at Home");
public static void main(String[]args)
  postcovid rl= new postcovid();
  rl.results1();
negcovid r2= new negcovid();
r2.results2();
class negcovid
   negcovid()
   System.out.println("Result negative");
}
   void results2()
     {\tt System.out.println("Yes U can go for vacation!");}\\
                                                                                         Ln 1, Col 14
                                                                                                        100% Windows (CRLF) UTF-8
```

## \*Command Prompt\*

