

Exercise 5

Task1

1. What is the name to be given to this file?

-Triangle

2. Compile this file. If you get any error, it means that you haven't typed correctly the given codes.
3. After a successful compilation, now try to run. Explain what happened and why.

-Run compiler cause no main method called.

Task2

```
----jGRASP exec: java TriangleDemo
Enter the height:
>> 10
Enter the base:
>> 8
The pyramid's height is 10.0
The pyramid's base is 8.0
The pyramid's area is 40.0
----jGRASP: operation complete.
```

1. Compile this file. If you get any error, it means that you haven't typed correctly the given codes.
2. After a successful compilation, now try to run. What's the output?
3. List ALL the following items based on the Triangle class:

a) object

- Triangle

b) user-defined methods with return value

- getHeight()

- getBase()

- getArea()

c) user-defined methods with passing-parameters

- set(height,base) => set (double len, double b)

d) accessor methods

-getHeight()

-setBase()

-set(double len, double b)

e) mutator methods

-getHeight()

-getBase()

-getArea()

Task3

```
----jGRASP exec: java employeepayrolldemo.EmployeePay
>> Enter the employee's ID Number:2100
>> Enter the employee's gross pay:RM4000
>> Enter the Federal Tax:RM300
>> Enter the State Tax:RM500

Net pay:RM3200.0

----jGRASP: operation complete.
```