CPG-December-2016

A1.

(a)

- Two data types used in storing decimal points are:

1. float

2. double

(b)

- Two values of Boolean data type:

1. true

2. false

A2.

(a)

- Note/Book.

(b)

- Block comments are the comments written on one line or can be extended across many lines as per needed.

e.g. /\* Block

comments

\*/

A3.

-

|  |  |
| --- | --- |
| Valid identifier | Invalid identifier |
| Next\_item | class |
| abc | true |
| Totalmark | switch |
| action | 2nd |
| Price$ | #mark |

A4. Do it yourself.

A5.

-

import java.io.\*;

public class DetermineWeight

{

public static void main(String[] args)throws Exception

{

BufferedReader input=new BufferedReader(new InputStreamReader

(System.in));

System.out.print("Please enter a weight: ");

double weight=Double.parseDouble(input.readLine());

if(weight>80.5)

System.out.println("Status: too heavy weight");

else

System.out.println("Status: acceptable weight");

}

}

**B1.**

(a)

- public static float calculateAverage(float p, float q)

{

float average;

average=(p+q)/2;

return average;

}

(b)

(i) ++

(ii) instance

(iii) selection

(iv) <

(v) compile-time

(c)

(i)The purpose of using length() is to find the length of a string i.e. the number of characters and spaces it is made up of.

(ii)

- String name="Micheal Mishra";

System.out.println(name.length());

//output: 14

(d)

- transmitData: name of the method header transmitData

char: the method returns a value of char data type.

name: first parameter of String data type

size: second parameter of float data type

B2.

(a)

(i) double price;

(ii)public static float weight(float w, float z)

(iii)String[] address=new String[800];

(b)

(i)

- Errors:

1. comma is used after condition statement in for loop

Corrections:

1. Semicolon should be used in place of comma to terminate condition statement.

(ii)

- Errors:

2.single ‘=’ is used in for comparing value of ‘w’

Corrections:

2. ‘==’ should be used in place of ‘=’.

(c)

(i) point=point + 10;

(ii)TextField user=new TextField();

(d)

- Syntax of while loop:

while(condition)

{

Statements;

}

(e)

(i)toUpperCase()

(ii)equals()

(iii)concat()

B3.

(a)

- (i) 14

(ii) 9

(iii) true

(iv) 2

(v)true

(b)

- switch(code)

{

case 'A':

case 'a':

System.out.println("Apple Product");

break;

case 'S':

System.out.println("Samsumg Product");

break;

default:

System.out.println("Others Product");

}

(c)

- Note/Book/Internet

(d)

- The start method of Applet is denoted by start() and is executed after the init() method. This method executes every time the program become active after inactive state.