Chapter 4

Exercise 1

Fine the error in each of the following code segments, and explain how to correct it;

1. i = 1;

while (i < = 10);

++I;

}

**Ans:** How to correct the errors

* i = 10 is an assignments, and not a condition. Use of i == 10.
* The semicolon after the while creates an empty loop.
* No curly braces {} around the loop body.

**Corrected**

int i = 1;

while(I == 10) {

i++;

}

1. for (k = 0.1; k!= 1.0; k += 0.1)

System.out.println(k);

**Ans:** How to correct the errors

* The variable i is not declared.
* Secondly the use of double/float in loop condition can cause issues.

**Corrected**

For (Int i = 1; <= 10; i++) {

System.out.println(i \* 0.1);

}

1. switch (n) {

case 1:

System.out.println(“The number is 1”);

case 1:

System.out.println(“The number is 2”);

break;

default:

System.out.println(“The number is not 1 or 2”);

break;

}

**Ans:** How to correct the errors

* Break is missing; in case 1
* The default; case is empty, it’s not wrong.

**Corrected**

Switch (n) {

Case 1:

System.out.println(“The number is 1”);

Break;

Case 2:

System.out.println(”The number is 2”);

Break;

Default; i

System.out.println(“The number is not 1 or 2”)

1. The following code should print the values 1 to 10;
2. n = 1;

while (n < 10)

System.out.print

1. = 1