1. **Assignment 2.1**

/\*Start Assignment 2.1\*/

int x;

if (x > 7) {

x = 5;

}

System,.out.println(x);

/\*End Assignment 2.1\*/

**Bugs :**

1. Variable x not initialized

2. System,.out.println(x); - comma present

**Updated Code :**

int x = 8; //intializing varialbe x with value 8

if (x > 7) {

x = 5;

}

System.out.println(x);

Output : 5

1. **Assignment 2.2**

/\*Start Assignment 2.2\*/

main() {

int j;

j = foo(i);

ineedj();

}

/\*End Assignment 2.2\*/

**Bugs :**

1 Variable i not defined

2. methods foo() and ineedj() not defined

**Updated Code :**

main() {

int j;

int i = 4; // variable i initialized with value 4

j = foo(i);

ineedj();

}

// method foo

foo(i) {

//write your code

}

//method ineedj

ineedj() {

//write your code

}

1. **Assignment 2.3**

/\*Start Assignment 2.3\*/

Assignment 2:

for (i=0; i<numrows; i++)

for (j=0; j<numcols; j++);

pixels++;

/\*End Assignment 2.3\*/

**Bugs:**

1. variables i , numrows, j, numcols , pixels not defined

**Updated Code :**

int i ;

int j ;

int numrows = 5; //initialized variable numrows with value 5

int numcols = 1; //initialized variable numcols with value 1

int pixles=0; //initialized variable pixels with value 0

for (i=0; i<numrows; i++)

for (j=0; j<numcols; j++);

pixels++;