**SD-1 Lab**

**Exercise 1:**

Public class HelloWorld

{

Public static void main(String[] args)

{

int a=15;

if (a==15)

{

System.out.print(“dsds”);

}

}

}

**Error:** There is no as such error in this code but it is good not to place to much space in declaring a variable.

**Exercise 2:**

public class Helloworld

{

public static void main(String[] args)

{

System.out.print(100/0);

}

}

**Error:** This is run time error and the program crashed. Because anything divided by zero becomes infinite. So to remove this error divide 100 by any real number.

**Exercise 3:**

Public class HelloWorld

{

public static void main(String[] args)

{

Sytem.out.println(100/100);

}

}

**Error:**  Syntax error in the priniting code.

**Exercise 4:**

Public class HelloWorld

{

public static void main(String[] args)

{

int a,b=15;

System.out.print(a+” ” +b);

}

}

**Error:** It is compile time error. The code will not compile because here the value of a is not initialized so it can not print the value of a.

**Exercise 5:**

Public class HelloWorld

{

public void main(String[] args)

{

int a=15;

int b = 16;

c=a+b;

System.out.print(c);

}

}

**Error:** To compile a code there should be an entry point of static main. So the main should me static and the second error is that the data type of c isn’t defined so it gives syntax error.