**ASSIGNMENT NO:-03**

**SECTION 1: Error-Driven Learning Assignment: Loop Errors**

Q.1public class prob {

public static void main(String[] args) {

for (int i = 0; i < 10; i++) {

System.out.println(i);

ANS:- it required increment condition to terminate lood

Q2:- public class prob {

public static void main(String[] args) {

int count = 5;

while (count == 0) { // Correct: Comparison

System.out.println(count);

count--;

ANS:- Correct: Comparison( ==)

Q3.

public class prob {

public static void main(String[] args) {

int num = 0;

do {

System.out.println(num);

num--;

} while (num > 0);

ANS:- num should be decrement to break the loop

Q4. public class prob

{

public static void main(String[] args) {

for (int i = 1; i <= 10; i++) {

System.out.println(i);

}

ANS:- No error

Q5.

public class prob

{

public static void main(String[] args) {

for (int i = 10; i >= 0; i--) {

System.out.println(i);

}

}}

ANS:-index are must be in decremental state (--)

Q6. public class prob

{

public static void main(String[] args) {

for (int i = 0; i < 5; i++)

System.out.println("Done" + i);

}

ANS:- it required concatenation with done

Q7;- public class prob

{

public static void main(String[] args) {

int count=0;

while (count < 10) {

System.out.println(count);

count++;

}

ANS:- COUNT variable required to initialized

Q8:- public class prob

{

public static void main(String[] args) {

int num = 1;

do {

System.out.println(num);

num--;

} while (num > 0)

}

ANS:- Any loop with ; are not consider loop

Q9:-

public static void main(String[] args)

{ for (int i = 0; i < 5; i += 2)

{ System.out.println(i);

} } }

ANS:- NO ERROR

Q10:- public class prob

{

public static void main(String[] args) {

int num = 10;

while (num =<0) {

System.out.println(num);

num--;

}

}

ANS:-Termination condition not provided properly

Q11:- public class prob

{

public static void main(String[] args) {

int i = 0;

while (i < 5) {

System.out.println(i);

i++;

}

ANS:- error in incremental statement

Q12:- public class prob

{

public static void main(String[] args) {

int x=0;

for (int i = 0; i < 5; i++)

{

x = i \* 2;

}

System.out.println(x);

}

ANS; deceleration of x are must out side the loop