Worksheet

ITERATIVE CONSTRUCTS IN JAVA

Chapter-8

Class -10

1. Answer the following questions:

(a) Write a program to calculate the sum of digits of a number (i.e. 135).

(b) What is the output of the below java program

```
int i=1;
while(i<4)
{
System.out.print((i+2)+" ");
i=i+2;
}
```

(c) Write the difference between the while and do-while loop.

(d) What is the output of the below java program

```
int i=456,r;
while(i>0)
{
r=i%10;
System.out.println(r);
i=i/10;
}
```

(e) What is a return statement?

(f) What is the 'for' loop? What are the parameters used in the 'for' loop?

(g) Define the given terms :-

    1. entry controlled loop   2. exit controlled loop

2. The following data is from the final result sheet of an educational institution. Answer the questions given below:

	COLUMN I		COLUMN II
1.	It is used to unconditionally jump out of the loop.	A	While loop
2.	It helps to execute a set of statements repeatedly without knowing the number of times the loop will execute.	B	Null loop
3.	It is a loop that has no code in its body.	C	Looping statements
4.	The statements that are used to execute a set of statements repeatedly.	D	Break statement

Grade: ⭐ ⭐ ⭐ ⭐ ⭐