**class LoopsReview{**

**public static void main(String[] args){**

**//I. code tracing: what will be printed? ------------------------------**

**//-------------for loop ---------------------**

**//----- 1 ------------------**

**System.out.println("\n\n1");**

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

**System.out.print("# ");**

**}**

**//----- 2 ------------------**

**System.out.println("\n\n2");**

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

**System.out.print(i+" ");**

**}**

**//----- 3 ------------------**

**System.out.println("\n\n3");**

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

**System.out.println(i+" "+i\*i\*i);**

**}**

**//----- 4 ------------------**

**System.out.println("\n\n4");**

**for(int i = 0;i < 10;i=i+3){**

**System.out.print(i+" ");**

**}**

**//----- 5 ------------------**

**System.out.println("\n\n5");**

**for(int i = 0;i < 10;i=i+2){**

**System.out.print(i+" ");**

**}**

**//----- 6 ------------------**

**System.out.println("\n\n6");**

**for(int i = 0;i < 20;i=i+2){**

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

**i=i+2;**

**}**

**//-----------------while loop----------------------------------------**

**//----- 7 --------//----------**

**System.out.println("\n\n7");**

**int x=0;**

**while(x<5){**

**System.out.print(x+" ");**

**}**

**//----- 8 ------------------**

**System.out.println("\n\n8");**

**int y=0;**

**while(y<5){**

**System.out.print(y+" ");**

**y++;**

**}**

**//----- 9 ------------------**

**System.out.println("\n\n9");**

**int z=0;**

**while(z<5){**

**z++;**

**System.out.print(z+" ");**

**}**

**//----- 10 ------------------**

**System.out.println("\n\n10");**

**int a=0;**

**while(a<10){**

**a=a+3;**

**System.out.print(a+" ");**

**}**

**//----- 11 ---------===---------**

**System.out.println("\n\n11");**

**int b;**

**int total=0;**

**while(b<10){**

**b=b+3;**

**total=total+b;**

**System.out.print(b+" ");**

**}**

**System.out.print("Total:"+total);**

**// ---------lops and Strings**

**//----- 12 ------------------**

**System.out.println("\n\n12");**

**String str="Hi";**

**for(int i = 0;i < 4;i++){**

**System.out.print(str);**

**}**

**}**

**}**