Sl. No	Problem Statement

Assignment 8 (13 March 2024)   **Total = 10 marks**

Write LEX and YACC program to generate Intermediate code Generation for the following :

1

Input	Output

a = 1;
b = 1;
while(a <= 5)
{
   b = 1;
   while(b <= 5)
    {
      b = b + 1;
      print b;
    }
   a = a + 1;
   print a;
}
	1. a = 1
	2. b = 1
	3. if (a<=5) goto(5)
	4. goto(15)
	5. b=1
	6. if (b<=5) goto(8)
	7. goto(11)
	8. t1 = b + 1
	9. b = t1
	10. print b
	11. t2 = a + 1
	12. a = t2
	13. print a
	14. goto(3)

2

Input	Output

while(a<c or c>d)
 	
{
 	
  a=b/c*d+(-c);
 	
  print a;
 	
}
	1. if (a<c) goto(5)
	2. goto(3)
	3. if (c>d) goto(5)
	4. goto(11)
	5. t1=uminus c
	6. t2=b/c
	7. t3=t2*d
	8. a=t3+t1
	9. print a
	10. goto(1)