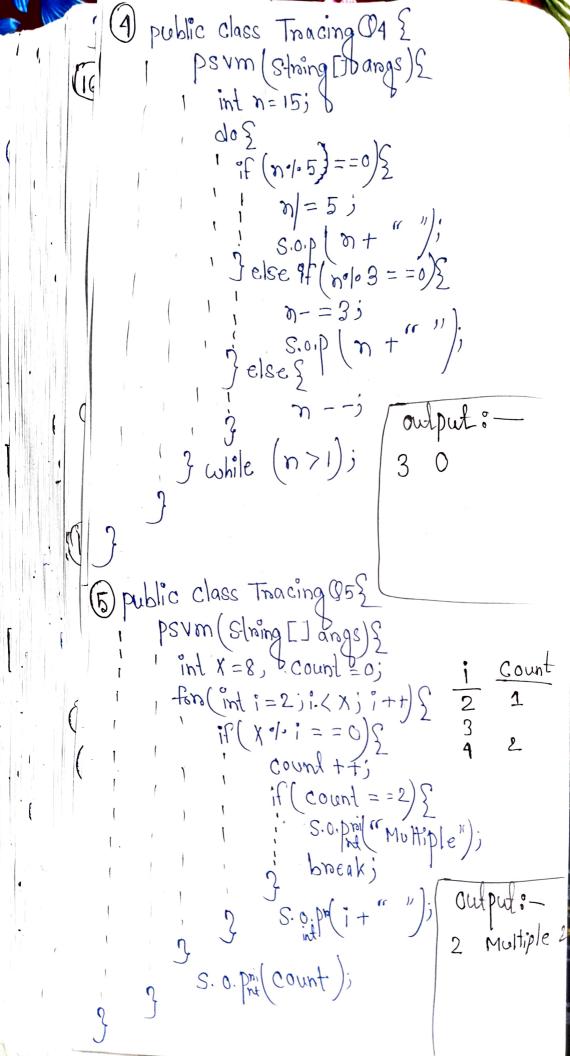
Flow Control - Medium Level Questions (1) public class Tracing Q15 public static void main (Strong[langs); in x=5, y=2; -for (ind i= 13 i <= 3 ji++)} 26 (X.1. A = = 1)} X+=1; System.out.print(=x+"); y elibe } 2 - = i ; System.out.promtln (x+"); output:-2) public class Tracing 02 & bern (strong [] angs) { ind a = 10; while $(\alpha > 0)$ if (a 0/03 = -0)} if (a < 3) } breaki

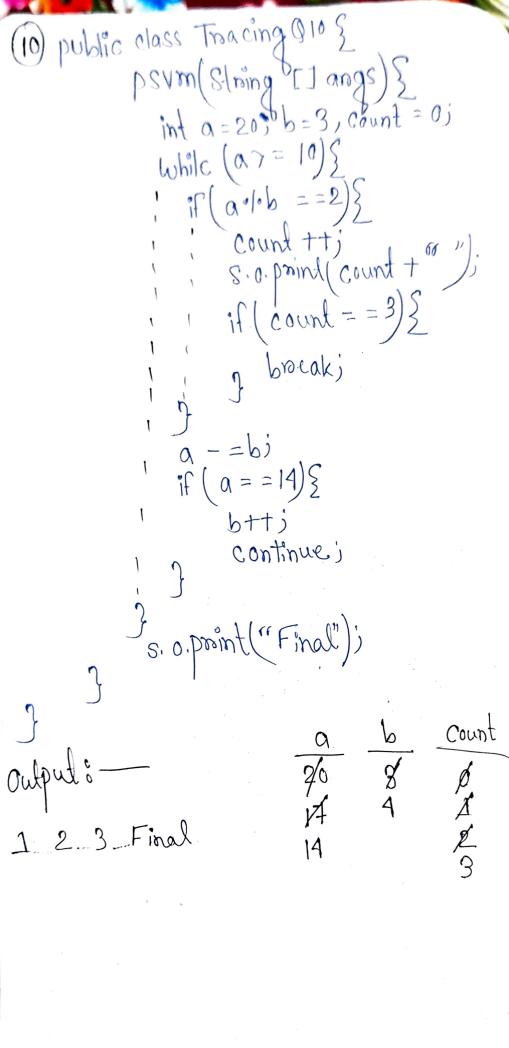


(a) Public class Tracking (De $\frac{5}{2}$) PSVM (String[] angs) $\frac{5}{2}$ int $\alpha = 3$, $b = 1$; While $(\alpha < -\frac{1}{2})$ $\frac{5}{2}$ While $(\alpha < -\frac{1}{2})$ $\frac{5}{2}$ $\frac{3}{2}$
$psvm (String()^p angs) \ge 3 \times 3$ $ind a = 3, b = 1;$ $while (a < = 6) \ge 3$ $while (a < = 6) \ge 3$
While $(\alpha = 5)$ \(\frac{1}{2} \) \(\frac{1}{2
11 (x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1
if (P\$/8) 2
-fon(in1 k=1) k=2). if (ba)8) \leq Continue) S.o. proint (a+b+k) + ");
S.o. proint Cars
0 de puti- Nothing 10 15
9 b;
3
A) public class Tracing OFE Tlangs & -lemp nesult i
A public class Tracing OF & temp nesult in psym (String 1 [] angs) & temp nesult in
psvm (Sloing [] angs) $\frac{1}{2}$ int redult = 0; fore (int i = 1; i < = 5; i + t) $\frac{1}{2}$ $\frac{1}{2}$
f(i==3)
(continue)
int demp = 1) While (demp > 0) {
if tempolo 2 == 0) { nesult + = temp; output; nesult += temp;
nesult + = temp; output; brocak; 02266
3 else 2 7 -lemp)
3 3 S.o. pro(roesalt);

8) public class Tracing Q8 {
psvm (Straing & [] angs) {
int x=12, by =0; $||(x_0|_0 4 = = 0)||$ $||(x_0|_0 4 = = 0)||$ $\frac{1}{3} \text{ else } \sum_{i=3}^{3} \frac{1}{3}$ 1 2 (x > 7) 2 bro eak)

3 while (x > 0); 5. o. proint (x+" "+y);

public class Tracing 993 psvm (String [] angs) { in sum = for (int i = 0; i < 4; i++)} for (int j = 0)] (3)] tt) { ir ((i+j)). 2 == 0){ if (i>j) { Sum += i * j; 1) else { confinue Sum += i+J; else if (Sum >15)} bneak; (Sum >15)} break) System. out. proint (Sum) J & X X 3 & X 2 3 & X Sum



public class Tracing Ong
psvm (String [] angs) { in X=18, b out puto: 0; for (int i=2) i <= 5; i++)} if (X % = = 0) { output += X/i; X = ?;if (output > 20) § S.o. print ("Break"); | Soprint (output +"");
} else { continue; output = output+ S. o. proint (X);

Output:

9.13.12

output i

Ø 9 13 (12) public class Tracing @12 { public psvm (Slining [] angs) { int a=7,6=1; while (a73) { 67=2) 3(878) } , for (in/ k=1 ; k<=2; k++)s if (0.1.1) == 0)} S. O. Duin, ((0-K) + bneaki a--) s.o.proint (b+ '4.8.3.2

public class Tracking 913}
psym (sloing [] angs) int Sum= 0; product = 1; For (ind J=1; j <= 3; j++) { if (product 1.2 ==0) 3 3 else { Sum + = 3 * 2; if (Sum 7=12)} bro eak; 3 while (product <= 3 ft sum < 15); s.o.point (sum + + product); product

Sum product

Output:

14...4

14) public class Tracing (11) {

psym (slowng [] angs) {

int n = 25, count = 0; while (n>1) { if (no).5) == 0) { n = 5; count + t; else if(n) = 0 $|\gamma|=2$ $\frac{\text{count}+t}{3}$ else $\frac{5}{3}$ if (count = = 3) { S.O. Print ("Stop"); S.o. print (n + " " + Count); n Count

25

8

1

2 Output 8-

public class Tracing \$ 15 } psvm (String &[] angs) { ind nesult =0; Fon (int i = 0; i(5; i++) } if(i==0 | | i==4)continue; for (int j=2) j >=0 ; j -) } if ((i+j)%3 ==0)} nesult r= i x j; break; nesult +=i+J; } else } Is. o pal nesult + ""); nesult · 1 × 2 - 2 - 2 if (result >8) { bneak) output:

(G) public class Tracking 0163 psvm (string [] barogs) { int x=16,0y =2, steps=0; 90 g Sleps ++; Sleps $|\chi| = 25$ 3 else { "Half"); X-=7) if (s + eps = = 4)broeaki } while (x>0); S. O. praint (Steps); Output 12 18 Half 4

17) public class Troacking 01:13 psvm (Stroing [] angs) { int-total = 0; Foro (inli=1) i <= 4; i++) { int temp = i; While (temp <=6) { if (-lemp % == 0 ft -lemp!=i) { total + = -lemp; S.o.p (-lemp + "); temp +=2;
if (+o+al > 15){ bneaki S. O. provent (Total"); if (total >15) { "System. out. prointing ("Total");} 5 4 6 P8 Total total -lemp 18

(18) public class Tracking (18) psym(string[] ange) & int a = ba, b = 1, counter While (a> = 5) \$ if (a.1.3 == 0){ 1 ;f(b77) { S.o.print ("Max"); Continue) S.o.print (b+""); if (counter = = 5){ 3 break) S. o. print (counter) Counter 19 public Class Troacking (019) beam (Spind [12 auds) & int value = 0; For (int i= 2) i <= 5) i++) } for (int]=1; j <1; j++) } il (1.1.] == 0)} value t = i+J; if (value 1.4 == 0)} System.out print ("Div4"); Continue) 7 else { value +=1-J; System out point value + ""); value 16 22 27

public class Fracking \$20 } Denm (Strong [] grads) { in X = 30, divisor = 6, nesult = 0; do 5 if (x . 1. divisor = = 0) { nesult += X divison) X-= divisor) S.o.point (nesult + "); if (nesalt >=10) } s. o. print ("Done"); break) 1) else 3 if (divisor = = 2)} continue; while (x > 5 22 divisor > 0)i System. out. print (X); divisor