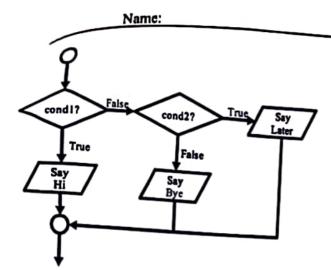
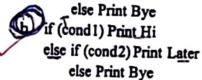
G	Question						
					/ ID:		
		Name:					
		Ivanic.			- Conc 1	2. and 3:	
		ollowing declaration	cand init	tializations in	Questions	., 2,	
	Use the fo	llowing declaration	= "KSU";				
	IIIIaI oo	atic String KSU	msq = "	I,love mama	T ,		
	String	str = "PNO /	letter	= d'i	Space		
	char	str = "PNU", a = 'Z', num = 1,	x = 456	789; space	در ان		
4	int	dnum = 2.75;			> 2		
1	float	fnum;	_	1 735		in SAR	4
		2.75	- "	789; Space 1 2 3 4 5	,	V. 544.	<u>.5 pts)</u>
1 (4	Question #	1: Strings and	formatti	ng			
		output of each of the follo	owing?	1 2 3 4 5	6 7 8	9 0 1 2	3 4- 5
;	AND DESCRIPTION OF THE PERSON OF		OF THE	2 2 2			
07	5	("{%7.3f}",dnum);	{ }	~ ~ 2 . 4	503		
. 1	2printf	("%-4s**%0.1f", KSU, d	num);	(SU)>12	21.	2	
A	3printf	(<u>"\$3d</u> \$\$\$c", x, a)	, 1	15678	9 902		
	A String s	= msg.replace('m'	, 'b');	I love buby			
1.25	.print(s	+ "_And_" + msg.su				al	
ایخی)	- I - I	ovenba	691	MAING	1/mal	ゲー!	
	ب دوول	11.35			X		(-40)
0	Question #2				each point inde	ependently. ((6pts)
(4)		s a structured programm					
		rence variable contains					- 0
	A vari	able of type short use ing to fnum the value 3 g((letter = a;)	s less space	e in memory than	n a variable of	type byte.	1 = 3.5t
М	4. (E) 10 ass	ing to frum the value 3	.5 we write	e: ((fnum = 3	3.5float;)) × float	Fan m. C
7) will copy	A THE STATE OF THE		1.	where
4	letteris			Chav-	primi	THE	1/1
		tput of these ((x = (in				t(x);)) is: 3	(t)
		em.out.print(C	
		um% 2 is commonly use			odd or zero.		
		ve a scanner to read	-				
		ause <u>no</u> syntax errors			() V	M	1
		= in.nextInt();		if the input is:	The same of the sa		2
		= in.nextFloat		if the input is:			0.5
		in.next().charA					
12		= in.nextLine()	;))	if the input is:	King Saud	Universit	У
	L645	taut					()
\bigcirc 0	uestion #3:	MCQ: choose	only one	correct enem	· OPP	(2nto)	
(2) I		er='d') letter='		2. After exec		$\frac{\text{(2pts)}}{\text{m+=}}$	(2;)) Intage
×1-	will do the fol		~ ' '))		of dnum will b	ar Tumiti	L' Cute
		content of letter fr	om 'd'		7	c.	++ 12)
	to 'b'	The state of the s		a. 2.75 b. 3.0	,	1	75+ C)
		ter unchanged <	· ·	c. 3.25	duum =	of North	nex O
	c. cause a run	.)	` \	d. 3.75	214.11.	1 2	115
	d cause a syn		/	u. 5.75	du	Na	2.45
	cause a syn						
		7/	/				

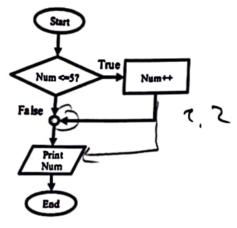
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- 1. The flowchart is equivalent to which algorithm?
 - a. if (cond1) Print Later else if (cond2) Print Hi



- c. if (cond 1)
 if (cond 2) Print Later
 else Print Bye
 else Print Hi
- d. if (cond1 AND cond2) Print Later else Print Hi and Print Bye



- 2. Which of the following is true?
 - a. Num cannot become greater than 5

ID:

- b. The condition has an else part
 The flowchart has an error
 - d. It is wrong to use Print Num for printing



1.25)

Question #4: Error detection

(2pts)

State the line number of the 4 errors in the code. Also state the reason OR correct the error.

F-788	Code	line# and Correction/Danses
1)	import java.util.*;	4 Errors:
2)	public class ClassWithErrors Onco with a	1
3)	<pre>public static Scanner in = Scanner(System.in);</pre>	3) <u>new</u>
4)	public static void main (String() arg	
5)	double d, float f;	5) Linble di
6)	String strDistance;	5 7 (4 b)(
7)	f = in.nextFloat(); /* reading a float R/ d += f;	4) al) */
8)	d += f; = d=d=(4=d+)(F)	7 01 */
9)	System.out.println("Enter distance to home in km: ");	
10)	strDistance in next(); // assume user enters: 12.75	11) (int)
11)	int i = Integer.parseInt(strDistance);	11/(14.)
2))) // end main and class ·	

```
(5.5pts)
                   Coding & Tracing
  1. Assume read is a Scanner. What is the output of the code for each of the 2 sample inputs:
    int num = read.nextInt();
1)
    String selection = read.next(); Muny
2)
3)
    { case "many": num += 10; / num = num + 0
                                                     = 3+10 = 13
    switch (selection)
4)
                              num= www +5 = 13+5=18
                                                                       num = 12
5)
      case "few": num += 5;
6)
                  break;
7)
      case "none": System.out.print("Oh, no!,");
8)
9)
10)
11)
     ) //end switch
12)
     System.out.println("I have " + num + " pens.");
13)
                        3' many
                                I ~ have ~ 18 ~ Pens.
    user input sample 2→ 5 none
    Ohuno! wInfostumy in 5 mpens-
    Inharenon pers.
    2. Rewrite the code of part (1) by replacing the switch statement with equivalent if statement(s):
  nt num = read . next Tut();
  String selection = read, next();
 if (selection - Many 1) selection 1/
     if ( selection . equals ( "many") It selection . equals ( " few")
        601=+munz
 Selection num+= 533
       else if (selection- equals ("few")
            NUMY-So.
        else it (selection equals ("none") @
System out frint ("oh no! ") 300
if (num >0)
            X System. out. Print In ("I lost my "+ num + " Pens");
              Num= 0 3 3 - 25
            System. out . Print In ("I have "+ num +" " pens ");
      3. If we want the code in part (1) to accept the selection regardless of the case it is written by the
        user (e.g. "Many" or "fEw" or "NONE"...), what statement(s) do we need to add on line (3)?
         Selection = Selection. to Lower Case()3
```