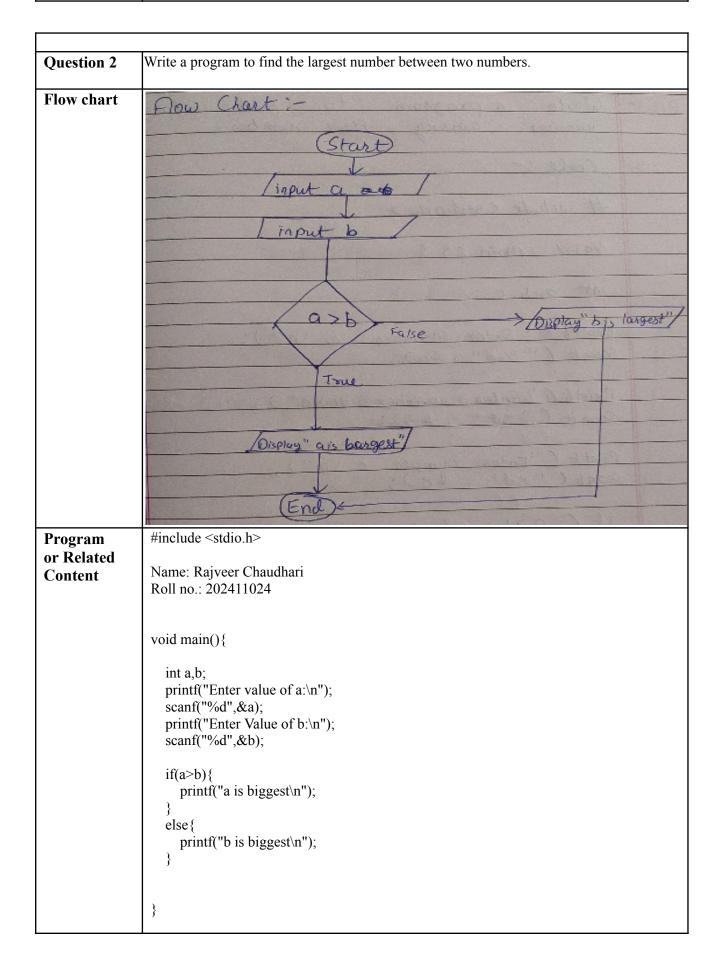
Semester	Course Code	Course Title
Autumn 2024-25	IT101	Computer Programming and Problem Solving

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As.No.	3	
Assessment Title.	Introducing control statements (if-else, while)	
Date of Submission	19-Sept-2024	

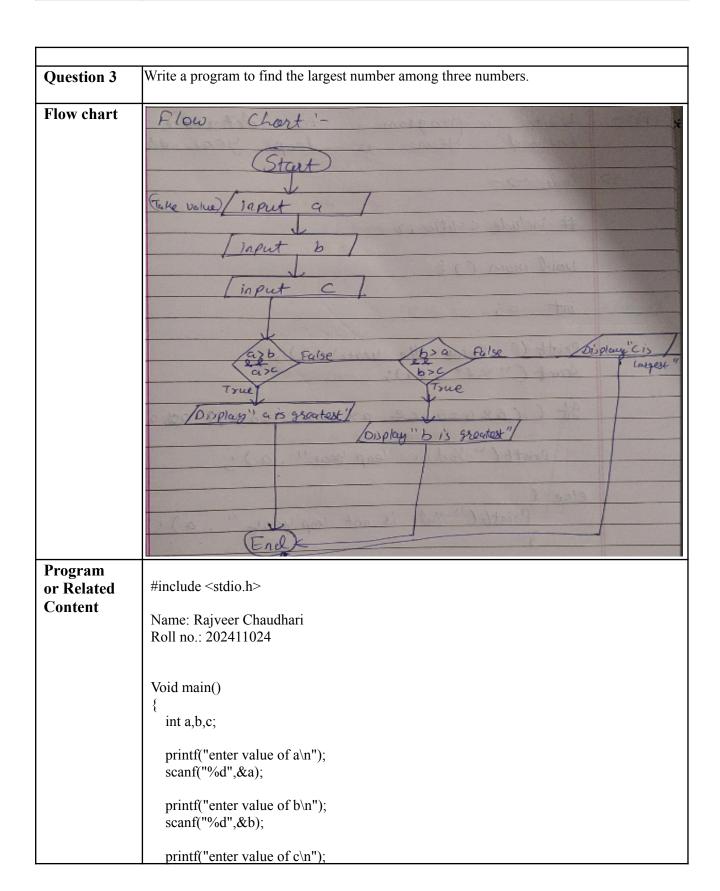
- 1. Write a program to find the division (Overall division 5/2 = 2.5) and modulo division (as discussed in class).
- 2. Write a program to find the largest number between two numbers.
- 3. Write a program to find the largest number among three numbers.
- 4. Write a program to determine if the entered year is a leap year or not.
- 5. Write a program to display numbers from 0 to n, where n is input by the user.
- 6. Write a program to display even and odd numbers between 0 and n, where n is input by the user.
- 7. Write a program to print the multiplication table of any number.
- 8. Write a program to find how many numbers divisible by 3 exist in the first n numbers, where n is input by the user.

Question 1	Write a program to find the division (Overall division $5/2 = 2.5$) and modulo division (as discussed in class).
Flow chart	* Flow Chart'.
	(Start)
	/input = a=5/
	linput = a = 5 $linput b = 2$
	/input b= 2/
	C = 9/B
	8 = a % b /
	Display = C= 2.5 > 8=1/
	The second secon
	(end)
	Mars Boartost P. J.
Program	#include <stdio.h></stdio.h>
or Related	Name: Rajveer Chaudhari
Content	Roll no.: 202411024
	void main(){
	int a,b,c;
	float c; printf("Enter value of a:\n");
	scanf("%d",&a);
	printf("Enter value of b:\n"); scanf("%d",&b);
	c = (float)a/b;
	printf("Division fo Two no is %.2f\nModulo Division of Two no is %d\n",c,(a%b));
Output:	Enter value of a:
Ծ աւրաւ.	5
	Enter value of b:
	Division fo Two no is 2.50
	Modulo Division of Two no is 1

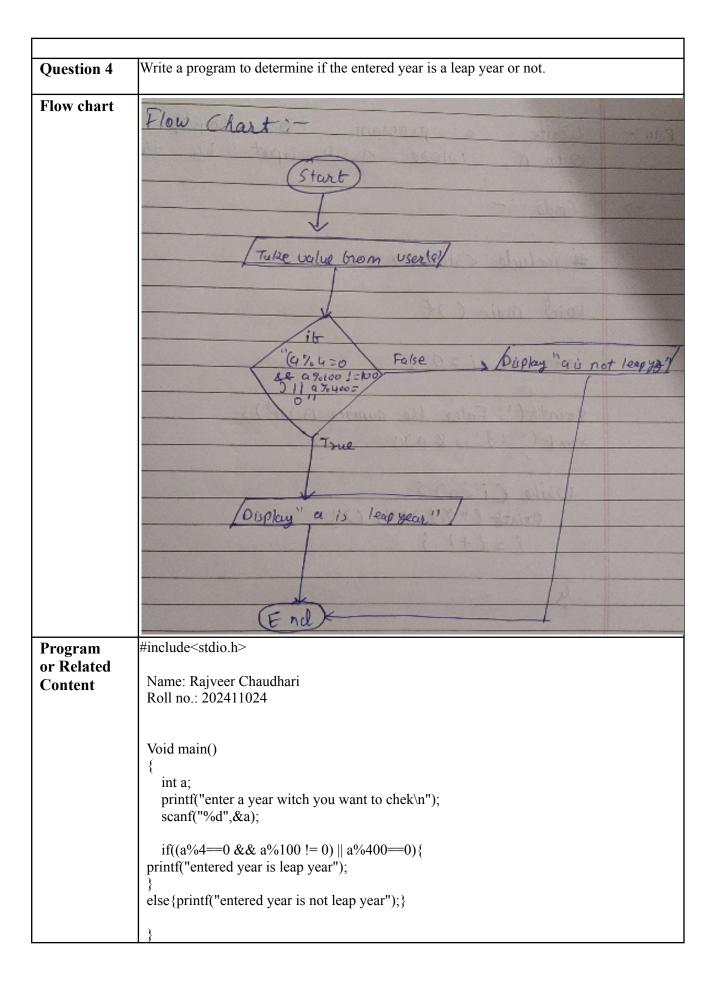
Your
Observation
"/" operator is used to divide two number
"%" operator is used t ofind the remainder of number



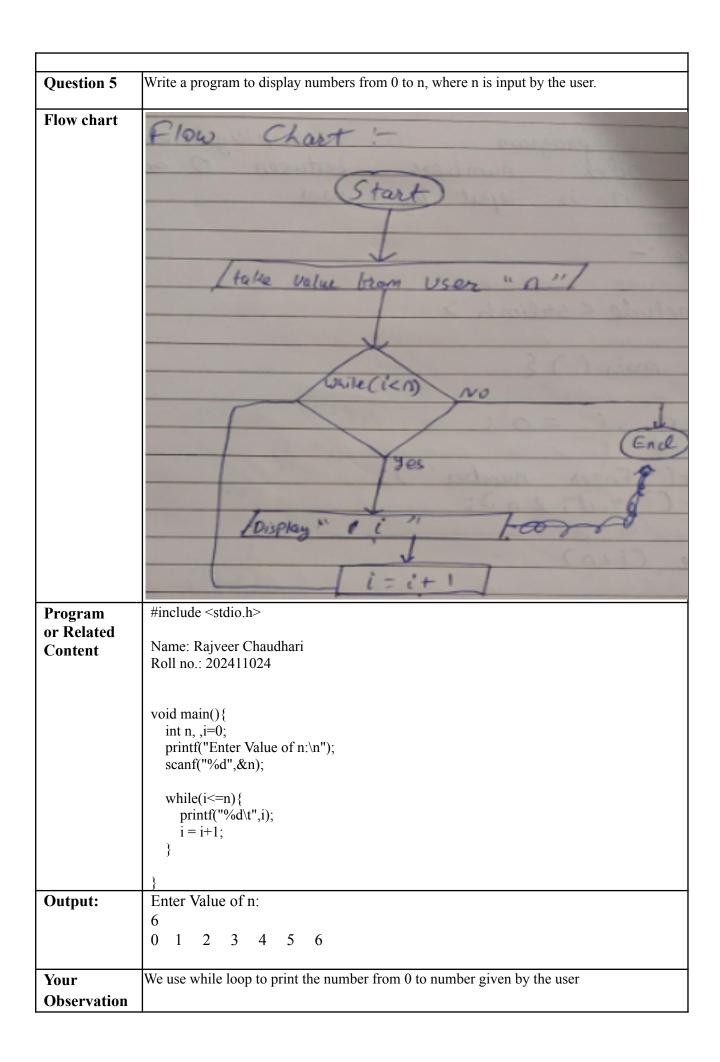
Output:	Enter value of first no:
	69
	Enter Value of Second no:
	36
	a is biggest
Your	Here we gave value to two number and check which is greater
Observation	



```
scanf("%d",&c);
                   if((a>b) && (a>c))
                   printf("a is the largest num\n");
                   else if((b>a) && (b>c))
                   printf("b is the largest num\n");
                   else
                   printf("c is the largest num\n");
                   printf("code is completed");
                 enter value of a
Output:
                 16
                 enter value of b
                 enter value of c
                 86
                 c is the largest num
                 code is completed
                Here we gave value to three number and check which is greater
Your
Observation
```

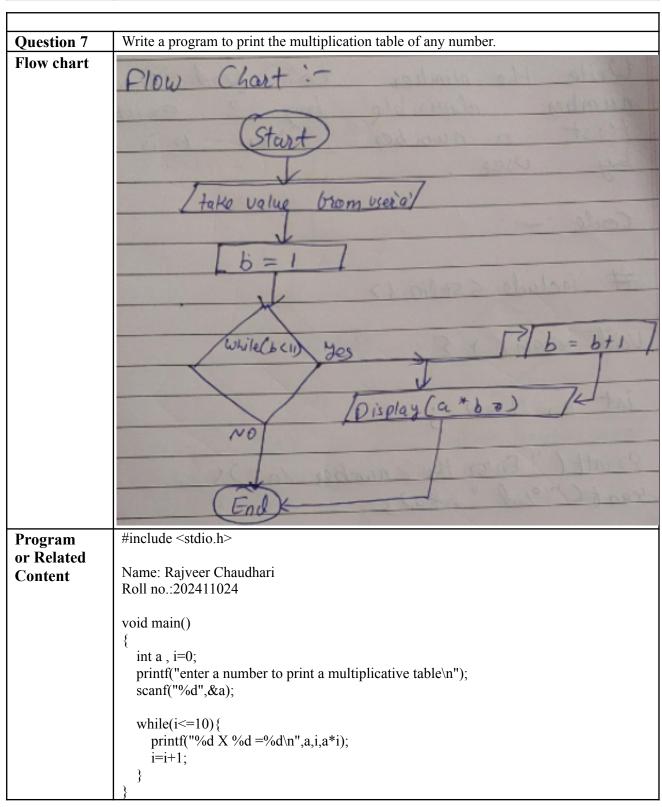


Output:	enter a year witch you want to chek 2024 entered year is leap year
	Here we gave value to check the entered value is leap year or not We use "AND" and "OR" operator to calculate leap year



Write a program to display even and odd numbers between 0 and n, where n is input by the **Question 6** Flow chart Flow Chart Start **Program** #include <stdio.h> or Related Name: Rajveer Chaudhari Content Roll no.: 202411024 void main(){ int n,,i=0,o; printf("Enter value of n:\n"); scanf("%d",&n); $while(i \le a)$ if((i%2)==0){ printf("%d is even ",i); i=i+1; } } i=0; $while(i \le a)$ if((i%2)!=0){ printf("%d is odd ",i); i=i+1; }

Output:	Enter Value of N:
	6
	Even NO:
	0, 2, 4, 6
	0, 2, 4, 6 Odd No:
	1, 3, 5
Your	We gave the number n and display from 0 to n and print whether the number is odd or even
Observation	



Output:	enter a number to print a multiplicative table
_	9
	9 X 1 = 9
	$9 \times 2 = 18$
	$9 \times 3 = 27$
	9 X 4 = 36
	$9 \times 5 = 45$
	9 X 6 = 54
	$9 \times 7 = 63$
	$9 \times 8 = 72$
	$9 \times 9 = 81$
	$9 \times 10 = 90$
Your	We gave a number to print a multiplication table of a given number
Observation	

Question 8 Write a program to find how many numbers divisible by 3 exist in the first n numbers, where n is input by the user. Flow chart 10W Start (6%3=0) Display (a number divisible by 3) Display (a number divisible by) End **Program** #include <stdio.h> or Related Name: Rajveer Chaudhari Content Roll no.: 202411024 void main(){ int n, a, b=0, i=0; printf("Enter Value of n to check number of multiple from zero to n:\n"); scanf("%d",&n); b = nif(b%3==0){ printf("number of multiple is %d", b/3); if((b-1)%3==0){ printf("number of multiple is %d", (b-1)/3);

if((b-2)%3==0){

printf("number of multiple is %d", (b-2)/3);

Output:	Enter Value of n: 34 Total Numbers which can be divided by 3 is: 11
Your	We take value from user and display the number of multiple of 0 to given number
Observation	