Week-1(beginner)

ASSIGNMENT WEEK 1

Q 1. Write a C program to display your basic information like name, regd no. (only last 3 digits), branch and your hobbies.

(In this question, you'll learn how to take an input and display a string and an integer.)

Q 2. Write a program to find maximum between two numbers.

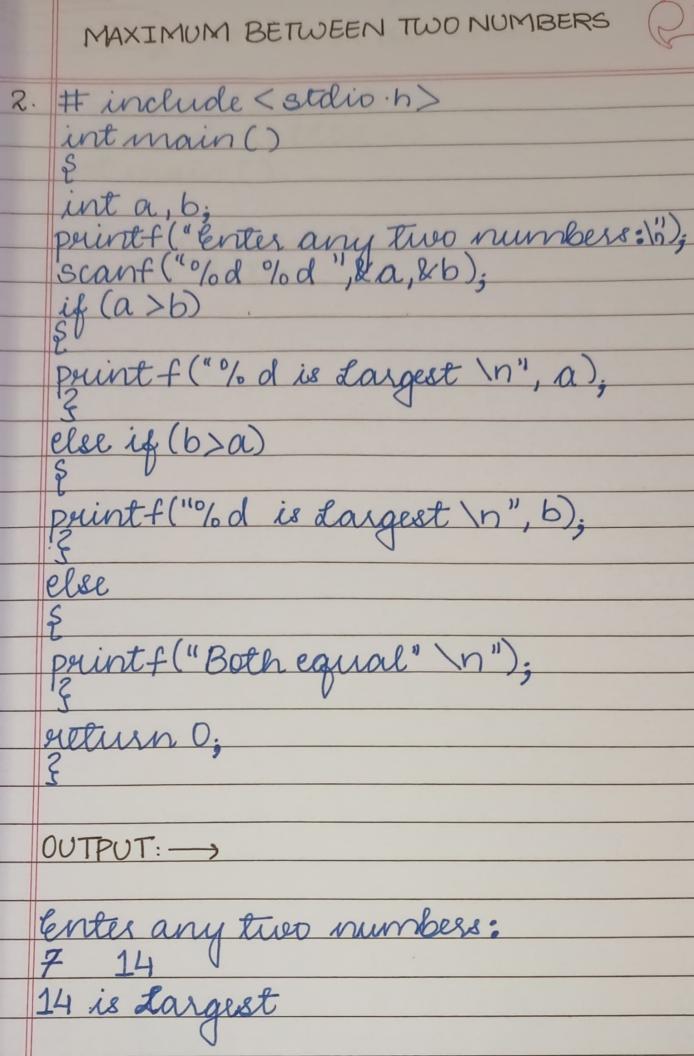
(In this question, you'll learn the use of if-else condition.)

Q 3. Write a C program to check whether a number is even or odd using switch case. (In this question, you'll apply the switch case concept.)

Practice Questions

- 1. Write a C program to enter two numbers and perform all arithmetic operations.
- 2. Write a C program to enter the radius of a circle and find its diameter, circumference and area.
- 3. Write a C program to check whether a number is negative, positive or zero.
- 4. Write a C program to check whether a year is leap year or not.
- 5. Write a C program to check whether a number is positive, negative or zero using switch case.
- 6. Write a C program to check whether an alphabet is vowel or consonant using switch case.

INPUT AND DISPLAY YOUR BASIC INFORMATIONS 1. # include < stdio.h> int main () char name [20], branch [22], hobbies [50]; ent regano; printf (" lenter your name:"); scanf ("%s", name); printf ("fenter your branch name:"); scanf ("% 5", branch); printf ("\n Enter your redg number:"); scanf ("% d", & regolno); print f ("\n Enter your hobbies:"); scanf ("%5", hobbies); printf("\n My basic informations: ->"); printf("\S%5 % d %5\n", name, branch, hopping, hopping). return 0; OUTPUT: ---Enter your name: Shubbra Nayak Parida Enter your branch name: Information Technology Enter your redg number: 036 Enter your hobbies: Reading and writing book and Solving computer coding My basic informations: Shubbra Ndyak Pariola Information Technology Reading and writing books and doing computer coding.



EVEN NUMBER AND ODD NUMBER 3. # include < stdio . b> int main () printf ("Enter any number:"); scanf ("% d", knum); int nun; switch (num %2) case 0: point f ("Wumber is even"); break; case 1: printf ("Number is odd"); break; return 0; OUTPUT: ---Enter any number: 14 Number is odd

	ALL ARITHMATIC OPERATIONS Date Page Page
1	+ include < stdio .n>
	int main ()
	§ S
	int nums, nums, sum, sub, mul, mody
	float div;
	print f (" Enter any tuos numbers: ").
	scanf ("% d %d", & num 1, & num 2);
	Sum = num 1 + num 2
	Sub = num 1 - num 2
	mul = num 1 * num 2
	dir = num 1 /num
	mod = num 1 % num 2
	Printf("\n Sum = %" Sum "\n Dibbergage = % d" cu
	Printf("\n Sum = %", Sum, "\n Difference = % d", su "\n Product = % d", mul, "\n Quotlent = % f", div, "\n Modulus = % d", mod);
	" \n Modulus = % d", mod).
	return O:
	3
	OUTPUT:
	Enter any two numbers = 14 7
	Sum = 21
	Difference = 7
	Product = 98
	Quotient = 2.00
	Modulus = 0
	1-1000000 - U

DIAMETER, CIRCUMFERENCE AND AREA

OF A CIRCLE

Date
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Date 2. # include < stolio. h > int main () float M, d, C, a, P = 3.14; Bount f ("Enter the nadius of the circle:"); d=2*M; C = 2*p*91; a= p* 4*41; printf ("\n Diameter of the circle?", d, "\n Circumference of the circle?", c, "\n Area of the circle?", 2; eletusn O; OUTPUT: --> tenter the nadius of the circle: 1.4 Diameter of the circle: 2.8 Siscumperence of the circle: 8.792 ilsea of the cicle: 6.1544

NEGIATIVE, POSITIVE OR ZERO NUMBER 3. # include < stdio. h> int num; Print-f(" Enter any number: "); Scanf(" ° 10 d", & num); if (num >0) int main () printf ("Number is positive"); else if (num <0) printf ("Wumber is negative"); else if (num = = 0) prient f ("Wumber is zero"), print f ("Anicalid or not a number"); return 0; OUTPUT: -> Enter any number: 49 Number is positive

LEAP YEAR # include < stdio b> int year;
printf("Enter the year: \n');
scanf("%d", & year);
if (year: 6400==0) printf ("hobdis a leapyear \n", year); Else if (year% 100==0) printf("\n% od is not a leap year \n", year); else if (year % 4==0) printf("\no%d is a leap year \n", year); printf("\n%d is not a leap year \n", year); DUTPUT: -> Enter the year: 2022 2022 is not a leap year.

POSITIVE, NEGIATIVE, ZERO NUMBER USING SWITCH CASE # include < stdio.h > int main () int num; printf ("Enter any number="); scanf("%, & num); switch (num >0) case 1: printf("0/0 d is positive,") break; case 0: switch (num <0) printf("% d is negative.", num); break; rase 0:
printf("% of is zero.", num); break; break; returno; OUTPUT: -> Enter any number = 70 70 is positive.

VOWEL OR CONSONANT ALPHABET # include < stolio . h> 6. int moin () printf ("Enter any alphabet="); sconf("% b ch); switch (ch)= char ch: case (a): printf ("Wowel"). break; case (e) printf("\n Vouel"); break; case (i): printf("\n Vowel"); break; printf ("\n Vowel"). printf ("\n Vouel") break; case 'A': rase A:
printf ("\n Vowel"); break: case E: printf("\n Vowel") break. case (I): printf("\n Vowel"); break;

printf ("\n Vouvel"); break; case 'U': printf("\n Vowel"); belak; Printf("\n Consonant"); seturn 0; OUTPUT:--> Enter any alphabet = A Voucel