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| **Program No**: **04 Date:06/07/2021**  **MENU DRIVEN CALCULATOR**  **AIM :** To write a simple menu driven calculator program using switch statements.  **ALGORITHM:**     * Step 1: Start * Step 2: Read the Numbers num1 and num2. * Step 3:. Read choice * Step 4 .1: If choice is 1 then print num1 + num2   4.2 : If choice is 2 then print num1 - num2  4.3 :If choice is 3 then print num1 x num2  4.4: If choice is 4 check whether if any of the number not equal to zero . If zero then print division is not possible else print num1/num2.     * Step 5 : Ask if the user wants to continue or not , If the user enters 1 repeat from step 2. * Step 6 : Stop   **PROGRAM:**   |  | | --- | | **/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***  **Title: Menu Driven calculator**  **Done by : Deepak M S**  **Date: 06/07/2021**  **Aim: To write a simple menu driven calculator program using switch statements**  **\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**  **#include <stdio.h>**  **int main ()**  **{**  **//variable declaration and initialization**  **float num1, num2;**  **int choice, option;**  **do**  **{**  **//geth the numbers from user**  **printf("Enter the numbers:");**  **scanf("%f%f",&num1,&num2);**  **//get the choice**  **printf("Select your operator : \n\t1 for Addition \n\t2 for substraction \n\t3 for Multiplication \n\t4 for division\n");**  **scanf ("%d", &choice);**    **switch (choice)**  **{**  **case 1:**  **printf("%f + %f = %f\n",num1,num2,(num1+num2));**  **break;**  **case 2:**  **printf("%f - %f = %f\n",num1,num2,(num1-num2));**  **break;**  **case 3:**  **printf("%f x %f = %f\n",num1,num2,(num1\*num2));**  **break;**  **case 4:**  **if(num2 == 0){**  **printf("division is not possible\n");**  **}else{**  **printf("%f / %f = %f\n",num1,num2,(num1/num2));**  **}**  **break;**  **default:**  **printf("Invalid choice\n");**  **break;**  **}**    **//repetation**  **printf("Do you want to continue? If yes enter 1 if No enter 0\n");**  **scanf("%d",&option);**            **}while(option == 1);**  **return 0;**  **}** |   **SAMPLE OUTPUT:**   |  | | --- | |  |   **RESULT:**  Program run successfully and able to get the correct output |