```c
Q1)  # include <stdio.h>
     void main ()
     {
       int num 1, num 2, option;

       do
       {
         printf ("\n choose your option \n");
         printf (" 1. Addition \n 2. substraction \n 3. Multiplication
                  \n 4. Divison \n 6. Exit \n");
         Scanf ("%d", & option);
         if (option == 5)
         {
           break;
         }

         switch (option.)
         {
           case yn
           case 1:
               printf ("Enter the first integer \n");
               Scanf ("%d", & num 1);
               printf (" Enter the second Integer \n");
               Scanf ("%d", & num 2);
               printf (" The addition of %d and %d is: %d \n",
                       num 1, num 2, num1 + num2);
               break;
```

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case 2:
    printf ("Enter the first integer \n ");
    scanf ( "%d" , &num1);
    printf ("Enter the second Integer \n");
    scanf ("%d " , &num 2);
    printf (" The subscribtion of %d and %d is : %d \n",
            num1, num2, num1 - num2);
    break;

case 3:

    printf ("Enter the first integer \n ");

    scanf ("%d", &num1);

    printf ("Enter the second integer \n ");
    scanf (" %d ", &num2);
    printf (" The multiplication of %d and %d is: %d \n",
            num1, num2, num1 * num2);
    break;

case 4:

    printf (" Enter the first integer \n");
    scanf ("%d ", &num1);
    printf (" Enter the second integer \n");
    scanf ("%d", &num2);
    if (num2 == 0)
    {
    printf ("Error \n ");
    }
```

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    else
    {
        printf ("The divison of %d and %d is : %d\n", num1,
                num2, num1 / num2);
    }
    break;

    Case 5 :
        break;

    default :
        printf (" Invalid option \n");
        break;
    }

} while (option != 5);
}
```

Output :-

Choose your option
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Exit