**COMSATS University Islamabad,**

**Lahore Campus**

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**Name: SYED ASAD JAMIL**

**Reg. No: SP22-BSE-123**

**Section: B**

**Instructor: Abdul Karim Shahid**

**Programming Fundamentals**

**LAB TASK 02**

**Exercise 8:** Write a program which asks the user to enter 10 numbers and prints out the message “even” if the number is even and “divisible by three” if the number is divisible by three.

**Pseudo Code:**

1. Start.
2. Enter ten number n0, n1, n2, n3, n4, n5, n6, n7, n8, n9.
3. If n0 is even and divisible by three.
4. Print n0.
5. If n1 is even and divisible by three.
6. Print n1.
7. If n2 is even and divisible by three.
8. Print n2.
9. If n3 is even and divisible by three.
10. Print n3.
11. If n4 is even and divisible by three.
12. Print n4.
13. If n5 is even and divisible by three.
14. Print n5.
15. If n6 is even and divisible by three.
16. Print n6.
17. If n7 is even and divisible by three.
18. Print n7.
19. If n8 is even and divisible by three.
20. Print n8.
21. If n9 is even and divisible by three.
22. Print n9.
23. End.

**C Code:**

#include<stdio.h>

#include<stdlib.h>

#include<math.h>

/\* This program is prepared by Syed Asad Jamil. Reg no. SP22-BSE-123. Section: B on 27/03/2022

(This Program find that numbers which is even and also divisible by three). \*/

int main()

{

int n0, n1, n2 ,n3, n4, n5, n6, n7, n8, n9;

{

printf("Enter Numbers : ");

scanf("%d%d%d%d%d%d%d%d%d%d",&n0, &n1, &n2, &n3, &n4, &n5, &n6, &n7, &n8, &n9);

}

if(n0%2==0 && n0%3==0)

{

printf("\n%d is Even number and divisible by three!!!\n",n0);

}

if(n1%2==0 && n1%3==0)

{

printf("%d is Even number and divisible by three!!!\n",n1);

}

if(n2%2==0 && n2%3==0)

{

printf("%d is Even number and divisible by three!!!\n",n2);

}

if(n3%2==0 && n3%3==0)

{

printf("%d is Even number and divisible by three!!!\n",n3);

}

if(n4%2==0 && n4%3==0)

{

printf("%d is Even number and divisible by three!!!\n",n4);

}

if(n5%2==0 && n5%3==0)

{

printf("%d is Even number and divisible by three!!!\n",n5);

}

if(n6%2==0 && n6%3==0)

{

printf("%d is Even number and divisible by three!!!\n",n6);

}

if(n7%2==0 && n7%3==0)

{

printf("%d is Even number and divisible by three!!!\n",n7);

}

if(n8%2==0 && n8%3==0)

{

printf("%d is Even number and divisible by three!!!\n",n8);

}

if(n9%2==0 && n9%3==0)

{

printf("%d is Even number and divisible by three!!!\n",n9);

}

return 0;

}

Text

Description automatically generated**Output:**