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**Problem Statement:**

Write Program to validate following data:

EmailID, Mobile No. and Name.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Text.RegularExpressions;

namespace Exp_7
{
    class Program
    {

static void Main(string[] args)
    {
        // Regular expressions for mobile number, email address,
and name
        string mobileRegex = @"^\d{10}$";
        string emailRegex = @"^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-
]+\. [a-zA-Z]{2,}$";
        string nameRegex = @"^[a-zA-Z\s]+$";

        bool exitRequested = false;

        while (!exitRequested)
        {
            Console.WriteLine("Choose what you want to
validate:");
            Console.WriteLine("1. Name");
            Console.WriteLine("2. Email");
            Console.WriteLine("3. Mobile Number");
            Console.WriteLine("4. Exit");

            int choice;
            if (!int.TryParse(Console.ReadLine(), out choice) ||
choice < 1 || choice > 4)
            {
                Console.WriteLine("Invalid choice. Please choose a
number between 1 and 4.");
            }
        }
    }
}
```

```

        continue;
    }

    string userInput;
    switch (choice)
    {
        case 1:
            Console.WriteLine("Enter name:");
            userInput = Console.ReadLine();
            Console.WriteLine("Name - Valid: " +
Regex.IsMatch(userInput, nameRegex));
            break;
        case 2:
            Console.WriteLine("Enter email address:");
            userInput = Console.ReadLine();
            Console.WriteLine("Email - Valid: " +
Regex.IsMatch(userInput, emailRegex));
            break;
        case 3:
            Console.WriteLine("Enter mobile number:");
            userInput = Console.ReadLine();
            Console.WriteLine("Mobile Number - Valid: " +
Regex.IsMatch(userInput, mobileRegex));
            break;
        case 4:
            exitRequested = true;
            break;
    }
}

Console.WriteLine("Exiting program...");
}

}

```

**Output:**

file:///D:/C#/Exp\_7/Exp\_7/bin/Debug/Exp\_7.EXE

Choose what you want to validate:

1. Name
2. Email
3. Mobile Number
4. Exit

1

Enter name:

Shweta Kate

Name - Valid: True

Choose what you want to validate:

1. Name
2. Email
3. Mobile Number
4. Exit

2

Enter email address:

kateshweta179@gmail.com

Email - Valid: True

Choose what you want to validate:

1. Name
2. Email
3. Mobile Number
4. Exit

3

Enter mobile number:

7548698524

Mobile Number - Valid: True

Choose what you want to validate:

1. Name
2. Email
3. Mobile Number
4. Exit

1

Enter name:

\$hweta K@te

Name - Valid: False

Choose what you want to validate:

1. Name
2. Email
3. Mobile Number
4. Exit

2

Enter email address:

shweta12gmail.com

Email - Valid: False

Choose what you want to validate:

1. Name
2. Email
3. Mobile Number
4. Exit

3

Enter mobile number:

asdfg67894

Mobile Number - Valid: False

Choose what you want to validate:

1. Name
2. Email
3. Mobile Number
4. Exit

—