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. NET-programmering

If– Switch – ?

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If-sats

```
if(villkor 1)
{
    något händer;
}
else if (villkor 2)
{
    något annat händer;
}
else
{
    defaulthändelse;
}
```

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Exempel

```
static void Main(string[] args)
{
   int number;

   Console.WriteLine("Please enter a number between 0 and 10:");

   number = int.Parse(Console.ReadLine());

   if (number > 10)
   {
      Console.WriteLine("Hey! The number should be 10 or less!");
   }
   else if (number < 0)
   {
      Console.WriteLine("Hey! The number should be 0 or more!");
   }
   else
   {
      Console.WriteLine("Good job!");
   }
   Console.ReadLine();
}
```

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Switch-sats

```
switch (month)
{
   case "Jun ": case "Jul": case "Aug":
      season = "Summer time";
      break;
   default:
      season = "Cold and windy season";
      break;
}
```

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Exempel

```
static void Main(string[] args)
{
    Console.WriteLine("Do you enjoy C# ? (yes/no/maybe)");

    string input = Console.ReadLine();

    switch (input.ToLower())
    {
       case "yes":
       case "maybe":
          Console.WriteLine("Great!");
          break;
       case "no":
          Console.WriteLine("Too bad!");
          break;
       default:
          Console.WriteLine("I'm sorry, I don't understand that!");
          break;
    }
}
```

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Ternary Operator

Ett alternativ till enkla if-satser:

```
int max = a > b ? a : b;
```

Ger samma resultat som:

```
int max;
if(a > b)
{
    max = a;
}
else
{
    max = b;
}
```

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Exempel

```
static void Main(string[] args)
{
   int input = Convert.ToInt32(Console.ReadLine());
   string classify;

   // ?: conditional operator.
   classify = (input > 0) ? "positive" : "negative";
   Console.WriteLine("The number was a " + classify + " number.");
   Console.ReadLine();
}
```