

1- Check if a number is even or odd using the ternary operator

تحقق مما إذا كان الرقم زوجيًا أم فرديًا باستخدام ternary operator

Input

```
Enter a number: 6
```

Output

```
The number is even.
```

Solution

```
// www.gammal.tech
#include <stdio.h>

int main() {
    int num;
    printf("Enter a number: ");
    scanf("%d", &num);

    (num % 2 == 0) ? printf("The number is even.\n") : printf("The number is odd.\n");

    return 0;
}
```

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2- Find the maximum of two numbers using the ternary operator

ابحث عن الرقم الأكبر لعددتين باستخدام ternary operator

## Input

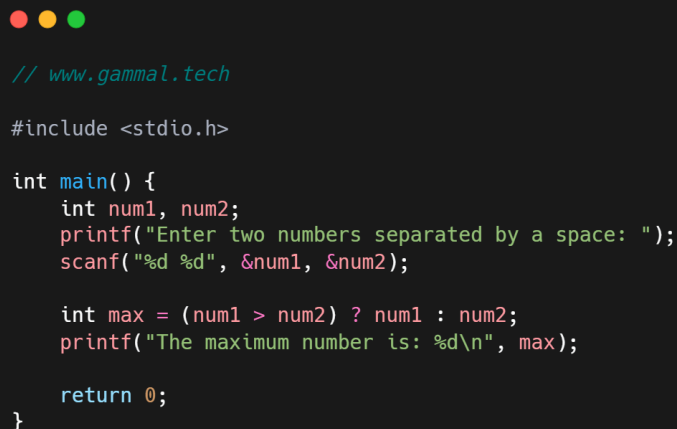
```
Enter two numbers separated by a space: 5 7
```

## Output

```
The maximum number is: 7
```

## Solution

```


// www.gammal.tech

#include <stdio.h>

int main() {
    int num1, num2;
    printf("Enter two numbers separated by a space: ");
    scanf("%d %d", &num1, &num2);

    int max = (num1 > num2) ? num1 : num2;
    printf("The maximum number is: %d\n", max);

    return 0;
}
```

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3- Check if a number is positive, negative, or zero using the ternary operator

تحقق مما إذا كان الرقم موجباً أم سالباً أم صفراً باستخدام ternary operator

## Input

```
Enter a number: -6
```

## Output

```
The number is negative.
```

## Solution

```

// www.gammal.tech

#include <stdio.h>

int main() {
    int num;
    printf("Enter a number: ");
    scanf("%d", &num);

    (num > 0) ? printf("The number is positive.\n") : (num < 0) ? printf("The number is
negative.\n") : printf("The number is zero.\n");

    return 0;
}
```

## 4- Calculate the absolute value of a number using the ternary operator

احسب القيمة المطلقة لرقم باستخدام ternary operator

### Input

```
Enter a number: -9
```

### Output

```
The absolute value is: 9
```

## Solution

```

// www.gammal.tech

#include <stdio.h>

int main() {
    int num;
    printf("Enter a number: ");
    scanf("%d", &num);

    int absoluteValue = (num >= 0) ? num : -num;
    printf("The absolute value is: %d\n", absoluteValue);

    return 0;
}
```

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5- Check if a number is divisible by 3 and 5 using the ternary operator

تحقق مما إذا كان الرقم قابلاً للقسمة على 3 و 5 باستخدام ternary operator

Input

```
Enter a number: 15
```

Output

```
The number is divisible by 3 and 5.
```

Solution

```

// www.gammal.tech

#include <stdio.h>

int main() {
    int num;
    printf("Enter a number: ");
    scanf("%d", &num);

    (num % 3 == 0 && num % 5 == 0) ? printf("The number is divisible by 3 and 5.\n") : printf("The
number is not divisible by both 3 and 5.\n");

    return 0;
}
```

---

6- Check if a character is a vowel or consonant using the ternary operator

تحقق مما إذا كان الحرف حرفاً متحركاً أو ساكناً باستخدام ternary operator

## Input

```
Enter a character: o
```

## Output

```
It is a vowel.
```

## Solution

```
// www.gammal.tech

#include <stdio.h>

int main() {
    char ch;
    printf("Enter a character: ");
    scanf(" %c", &ch);

    (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' || ch == 'A' || ch == 'E' || ch == 'I' || ch == 'O' || ch == 'U') ? printf("It is a vowel.\n") : printf("It is a consonant.\n");

    return 0;
}
```

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## 7- Check if a number is greater than 10 using the ternary operator

تحقق مما إذا كان الرقم أكبر من 10 باستخدام ternary operator

## Input

```
Enter a number: 9
```

## Output

```
The number is not greater than 10.
```

## Solution

```

// www.gammal.tech

#include <stdio.h>

int main() {
    int num;
    printf("Enter a number: ");
    scanf("%d", &num);

    (num > 10) ? printf("The number is greater than 10.\n") : printf("The number is not greater than 10.\n");

    return 0;
}
```

8- Determine the sign of a number using the ternary operator

تحديد إشارة الرقم باستخدام ternary operator

Input

```
Enter a number: 0
```

Output

```
The number is zero.
```

## Solution

```

// www.gammal.tech

#include <stdio.h>

int main() {
    int num;
    printf("Enter a number: ");
    scanf("%d", &num);

    (num > 0) ? printf("The number is positive.\n") : (num < 0) ? printf("The number is negative.\n") : printf("The number is zero.\n");

    return 0;
}
```

---

9- Check if a number is between 1 and 100 using the ternary operator

تحقق مما إذا كان الرقم يتراوح بين 1 و100 باستخدام ternary operator

Input

```
Enter a number: 99
```

Output

```
The number is between 1 and 100.
```

Solution

```
// www.gammal.tech
#include <stdio.h>

int main() {
    int num;
    printf("Enter a number: ");
    scanf("%d", &num);

    (num >= 1 && num <= 100) ? printf("The number is between 1 and 100.\n") : printf("The number is not between 1 and 100.\n");

    return 0;
}
```

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10- Check if a number is both even and positive using the ternary operator

تحقق مما إذا كان الرقم زوجيًا وإيجابيًا باستخدام ternary operator

## Input

```
Enter a number: 6
```

## Output

```
The number is even and positive.
```

## Solution



```
// www.gammal.tech
```

```
#include <stdio.h>
```

```
int main() {
```

```
    int num;
```

```
    printf("Enter a number: ");
```

```
    scanf("%d", &num);
```

```
    (num > 0 && num % 2 == 0) ? printf("The number is even and positive.\n") : printf("The number is not both even and positive.\n");
```

```
    return 0;
```

```
}
```

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