

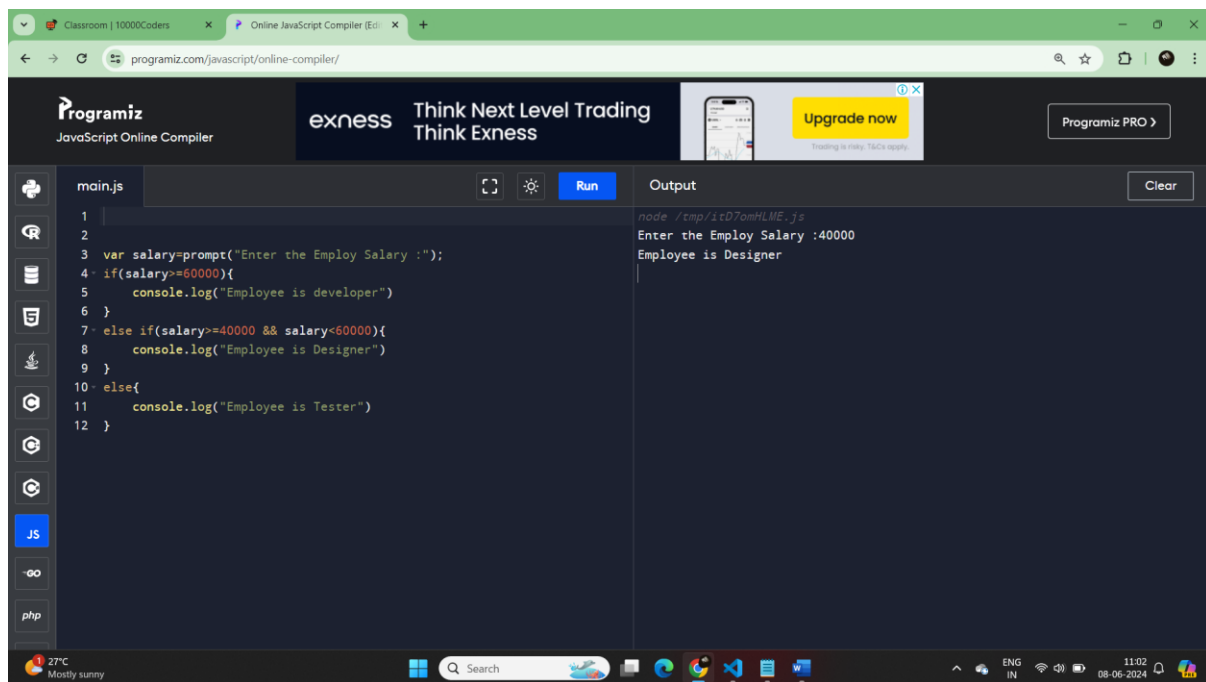
Date: 05/06/2024

1. Write JavaScript code to determine an employee's role based on their salary using the following conditions:

a) If the salary is greater than or equal to 60,000, print "Employee is a Developer."

b) If the salary is greater than or equal to 40,000 but less than 60,000, print "Employee is a Designer."

c) If the salary is less than 40,000, print "Employee is a Tester."



The screenshot shows the Programiz JavaScript Online Compiler interface. The code editor on the left contains the following JavaScript code in a file named 'main.js':

```
1  
2  
3 var salary=prompt("Enter the Employ Salary :");  
4 if(salary>=60000){  
5     console.log("Employee is developer")  
6 }  
7 else if(salary>=40000 && salary<60000){  
8     console.log("Employee is Designer")  
9 }  
10 else{  
11     console.log("Employee is Tester")  
12 }
```

The 'Run' button is highlighted in blue. The output panel on the right shows the result of running the code:

```
node /tmp/itD7omHLWE.js  
Enter the Employ Salary :40000  
Employee is Designer
```

The interface also includes a sidebar with icons for various programming languages (Python, JavaScript, PHP, etc.), a top navigation bar with 'Programiz JavaScript Online Compiler' and 'exness' logos, and a Windows taskbar at the bottom showing the date as 08-06-2024 and time as 11:02.

2 . Write JavaScript code to determine the age group of a person based on their age using the following conditions:

a) If the age is greater than or equal to 60, print "Senior Citizen."

b) If the age is greater than or equal to 18 but less than 60, print "Adult."

c) If the age is less than 18, print "Minor."

The screenshot shows the Programiz JavaScript Online Compiler interface. The code editor on the left contains the following JavaScript code in `main.js`:

```
1 var age=prompt("Enter the age :");
2 if (age>=60){
3   console.log("Seniour Citizen")
4 }
5 else if(age>=18 && age<60){
6   console.log("Adult")
7 }
8 else{
9   console.log("Minor")
10 }
```

The 'Run' button is highlighted. The output panel on the right shows the result of running the code:

```
node /tmp/avkev9EU5w.js
Enter the age :19
Adult
```

The browser's taskbar at the bottom shows the date as 08-06-2024 and the time as 11:03.

3 . Write JavaScript code to determine the discount based on the purchase amount using the following conditions:

a) If the purchase amount is greater than or equal to \$1000, print "Discount: 20%."

b) If the purchase amount is greater than or equal to \$500 but less than \$1000, print "Discount: 10%."

c) If the purchase amount is less than \$500, print "Discount: 5%."

The screenshot shows the Programiz JavaScript Online Compiler interface. The code editor on the left contains the following JavaScript code in `main.js`:

```
1 var amount=prompt("Enter the amount :"+"$");
2 if(amount>=1000){
3   console.log("Discount :"+"$"+amount*0.2)
4 }
5 else if(amount>=500 && amount<1000){
6   console.log("Discount :"+"$"+amount*0.1)
7 }
8 else{
9   console.log("Discount :"+"$"+amount*0.05)
10 }
```

The 'Run' button is highlighted. The output panel on the right shows the result of running the code:

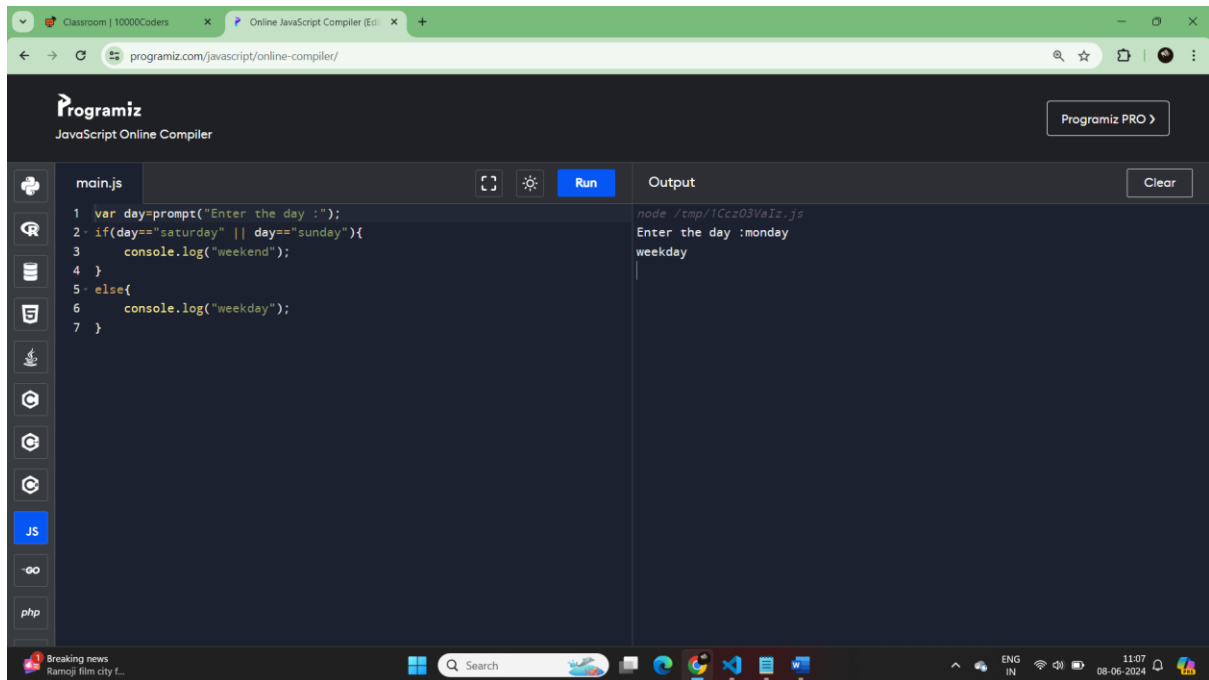
```
node /tmp/iyFc6Yo9Vu.js
Enter the amount :$1000
Discount :$200
```

The browser's taskbar at the bottom shows the date as 08-06-2024 and the time as 11:06.

4 . Write JavaScript code to determine the type of the day based on the day of the week using the following conditions:

a) If the day is "Saturday" or "Sunday", print "Weekend."

b) If the day is "Monday", "Tuesday", "Wednesday", "Thursday", or "Friday", print "Weekday."



The screenshot shows the Programiz JavaScript Online Compiler interface. The code editor on the left contains the following JavaScript code:

```
1 var day=prompt("Enter the day :");
2 if(day=="saturday" || day=="sunday"){
3   console.log("weekend");
4 }
5 else{
6   console.log("weekday");
7 }
```

The output panel on the right shows the result of running the code:

```
node /tmp/1Cc203VaIz.js
Enter the day :monday
weekday
```

The interface includes a file explorer on the left with icons for various programming languages (Python, JavaScript, PHP, etc.) and a 'Run' button. The browser's address bar shows the URL 'programiz.com/javascript/online-compiler/'.

5 . Write JavaScript code to determine if a given number is even or odd.

If the number is even, print "The number is even." If the number is odd, print "The number is odd."

The screenshot shows the Programiz JavaScript Online Compiler interface. The editor contains the following JavaScript code in `main.js`:

```
1 var n=prompt("Enter a number");
2 if(n%2==0){
3   console.log("Even")
4 }
5 else{
6   console.log("Odd")
7 }
```

The `Run` button is highlighted. The output pane on the right shows the execution results:

```
node /tmp/sR0g07w5eg.js
Enter a number9
Odd
```

The browser's taskbar at the bottom shows the date as 08-06-2024 and the time as 11:08.

6 . Write JavaScript code to determine if a given year is a leap year.
If the year is a leap year, print "The year is a leap year."

If the year is not a leap year, print "The year is not a leap year."

The screenshot shows the Programiz JavaScript Online Compiler interface. The editor contains the following JavaScript code in `main.js`:

```
1 var n=prompt("Enter a Year");
2 if((n%4==0 && (n%100!=0) || (n%400==0))){
3   console.log("Leap Year")
4 }
5 else{
6   console.log("Not a leap year")
7 }
```

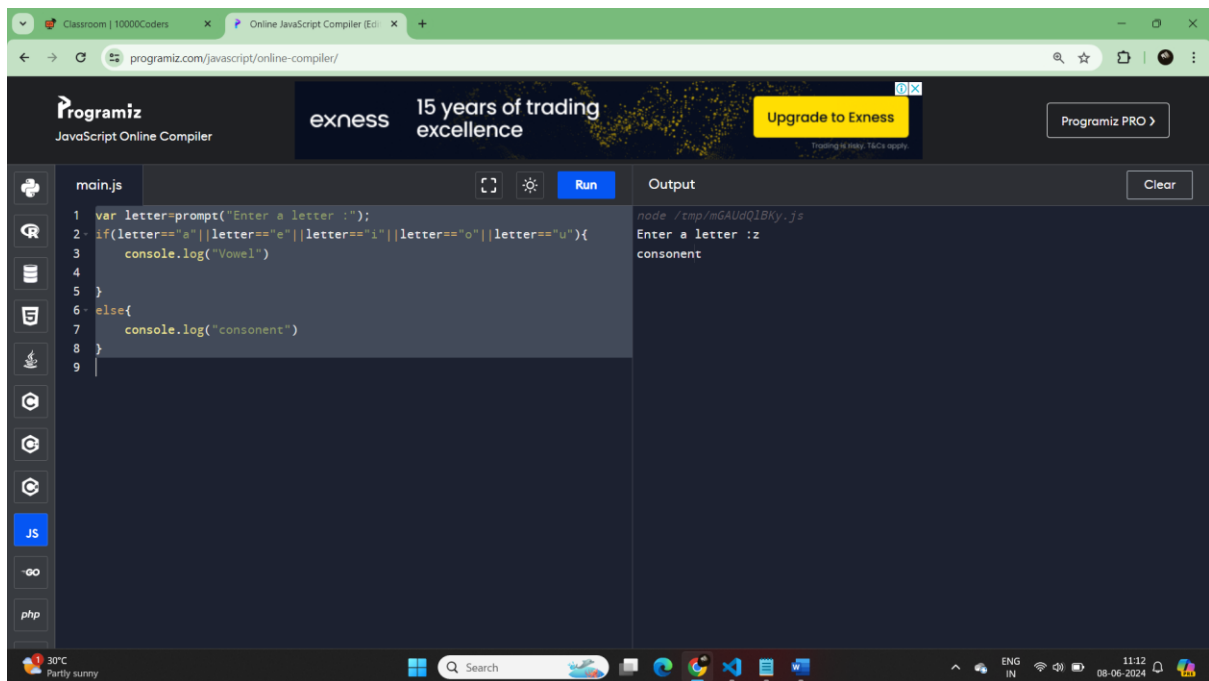
The `Run` button is highlighted. The output pane on the right shows the execution results:

```
node /tmp/Pv7kvAmuRr.js
Enter a Year1700
Not a leap year
```

The browser's taskbar at the bottom shows the date as 08-06-2024 and the time as 11:10.

7 . Write JavaScript code to determine if a given character is a vowel or consonant.
If the character is a vowel (a, e, i, o, u), print "The character is a vowel."

If the character is a consonant, print "The character is a consonant."



The screenshot shows the Programiz JavaScript Online Compiler interface. The code editor on the left contains the following JavaScript code in a file named `main.js`:

```
1 var letter=prompt("Enter a letter :");
2 if(letter=="a"||letter=="e"||letter=="i"||letter=="o"||letter=="u"){
3     console.log("Vowel")
4 }
5 }
6 else{
7     console.log("consonent")
8 }
9
```

The 'Run' button is highlighted in blue. The output panel on the right shows the execution results for a file named `node /tmp/mGALuQ1BKy.js`:

```
Enter a letter :z
consonent
```

The interface also features a top navigation bar with the Programiz logo, an Exness advertisement, and a 'Programiz PRO' button. A sidebar on the left allows switching between different programming languages, with 'JS' (JavaScript) currently selected.

8 . Write JavaScript code to determine if a given number is divisible by 3, 5, or both.

If the number is divisible by both 3 and 5, print "The number is divisible by both 3 and 5."

If the number is divisible by 3 but not by 5, print "The number is divisible by 3."

If the number is divisible by 5 but not by 3, print "The number is divisible by 5."

If the number is not divisible by either, print "The number is not divisible by 3 or 5."

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Online JavaScript Compiler (Edit)

programiz.com/javascript/online-compiler/

Programiz

JavaScript Online Compiler

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Get started

Trading is risky. T&Cs apply.

Programiz PRO

main.js

Run

Output

Clear

```
1 var number=prompt("Enter a number :");
2 if(number%3==0 && number%5==0){
3     console.log("The number is divisible by both 3 and 5")
4 }
5 else if(number%3==0){
6     console.log("Number is divisible by 3")
7 }
8 else if( number%5==0){
9     console.log("Number is divisible by 5")
10 }
11 else{
12     console.log("The number is not divisible by 3 or 5")
13 }
14
```

node /tmp/Ff2BUv8m0i.js

Enter a number :8

The number is not divisible by 3 or 5

JS

Go

php

PGA Round 2 Live

Search

ENG IN

11:13

08-06-2024