

JavaScript “TASK6” Code pics

P1)

```
<script>
    let input1 = Number(prompt("Enter the value 1 :"));
    let input2 = Number(prompt("Enter the value 2 :"));

    console.log("Sum of given two inputs :", input1 + input2)
    console.log("Substracion of given two inputs :", input1 - input2)
    console.log("Multiplication of given two inputs :", input1 * input2)
    console.log("Divison of given two inputs :", input1 / input2)

    console.log("Comparing given two inputs :", input1 < input2)
    console.log("Comparing given two inputs :", input1 > input2)
    console.log("comparing given two inputs :", input1 == input2)

    console.log("Adding 5 to the 1st input :", input1 + 5)
</script>
```

P2)

```
<script>
    let firstName = prompt("Enter the Firs Name :");
    let lastName = prompt("Enter the Last Name :");
    let age = Number(prompt("Enter the age :"));

    var fullName = firstName + " " + lastName;
    console.log("Full Name : ",fullName);

    var voteElegibility = (age>=18)? "You are Eligible for Vote" : "You are not eligible for Vote";
    console.log(voteElegibility);

    var fullNameLength = fullName.length;
    console.log("Length of the fullname : ",fullNameLength);
    console.log((fullNameLength>=10)? "Yes, length is greater than 10" : "No, length is not greater than 10");
</script>
```

P3)

```
<script>
    let num1 = Number(prompt("Enter the value 1 : "))

    console.log("Modulus value of given number : ",num1%2)
    console.log("Exponential value of given number : ",num1**2)

    console.log("is the given number is greater than 50 : ",num1>50)
    console.log("is the given number is less than or equal to 50 : ",num1<=50)

    let checking = (num1%2 == 0) ? "The given number is : Even" : "The given number is : Odd"
    console.log(checking)

</script>
```

P4)

```
<script>
    let num1 = Number(prompt("Entet the value 1 : "));
    let num2 = Number(prompt("Entet the value 2 : "));
    let num3 = Number(prompt("Entet the value 3 : "));

    sumOfTwo = num1 + num2;
    console.log("Sum of the first two numbers : ",sumOfTwo);

    console.log("Is num3 greater than sumOfTwo : ",num3>sumOfTwo);

    var logic = (sumOfTwo>50 && num3<100)? "Yes --> the sum of the first two numbers is greater than 50 and the third number is less than 100," :
    "No --> the sum of the first two numbers is not greater than 50 and the third number is not less tha
    console.log(logic);

</script>
```

P5)

```
<script>
    let firstName = prompt("Entet the value 1 : ");
    let lastName = prompt("Entet the value 2 : ");
    let number = Number(prompt("Entet the value 3 : "));

    console.log("Full Name : ", firstName + " " + lastName);

    console.log("The type of given number is : ", typeof(number));

    console.log("Incrementing the given number with 10 = " , number+=10);

</script>
```

P6)

```
<script>
    let totalAmount = Number(prompt("Enter the Number :"));

    var discount = (totalAmount > 150) ?
        console.log("You have the discount : ", totalAmount * (15 / 100)) :
        console.log("Discount not applicable");

    console.log("The total amount with discount is : ",totalAmount - (totalAmount * (15 / 100)))
</script>
```

P7)

```
<script>
    let sentence = String(prompt("Enter the sentence :"));

    var reversesentence = sentence.split("").reverse();
    console.log("Is Length of the reversed sentence is longer than 15 : ", reversesentence>15);

    console.log((sentence>20 || reversesentence>20)? "Yes => the original and reversed sentences are longer than 20 charecters":
    "No => the original and reversed sentences are not longer than 20 charecters");
</script>
```

P8)

```
<script>
    let input1 = Number(prompt("Enter the input 1 :"));
    let input2 = Number(prompt("Enter the input 2 :"));

    console.log(`By using & operator, the result is = ${input1 & input2}`);
    console.log(`By using | operator, the result is = ${input1 | input2}`);
    console.log(`By using ^ operator, the result is = ${input1 ^ input2}`);

    var leftShift = input1 << 2
    var rightShift = input1 >> 2
    console.log(`By using left shift (<<) operator, the result is = ${leftShift}`);
    console.log(`By using right shift (>>) operator, the result is = ${rightShift}`);

    var comparing = (leftShift<input1)?"shifted number is lesser than the original number":
    (leftShift>input1)?"shifted number is greater than the original number":
    (leftShift==input1)?"shifted number is equal to the original number": "Not equal to"
    console.log(`comparing the origianl and shifted value of input1 is : ${comparing}`)
</script>
```

P9)

```
<script>
  let salary = Number(prompt("Enter the salary :"));
  let age = Number(prompt("Enter the age :"));
  let creditScore = Number(prompt("Enter the credit score :"));

  forLogicalAnd = ((age >= 21) && (salary >= 30000) && (creditScore >= 650)) ? "By considering all requirements. Yes, he is eligible for the L"
  console.log(forLogicalAnd);

  forLogicalOr = ((age >= 21) || (salary >= 30000) || (creditScore >= 650)) ? "By considering atleast one requirement. Yes, he is eligible for"
  console.log(forLogicalOr);
</script>
```

P10)

```
<script>
  let input1 = Number(prompt("Enter the input 1 :"));
  let input2 = Number(prompt("Enter the input 2 :"));
  let input3 = Number(prompt("Enter the input 3 :"));

  sumOfAll = input1 + input2 + input3;
  console.log(sumOfAll);

  passOrFail = (sumOfAll >= 60) ? "The student is : Passed" : "The student is : Failed";
  console.log(passOrFail);

  withBonus = (sumOfAll + 5) >= 60 ? "With the help of bonus the student is : Passed" :
  console.log(withBonus);
</script>
```