



**COMSATS UNIVERSITY ISLAMABAD
ATTOCK CAMPUS**

MAD

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Lab Assignment # 01

Question # 01

```
// Question # 01 : Write a program to print the kth digit from Last
/*
  var a = 23617
  let b = a
  let c = parseInt(prompt("enter the value"))
  for (i = 0; i < c; i++) {
    value = b % 10
    b=b/10
  }
  console.log("last digit is : " + parseInt(value))
*/
```

Question # 02

```
// Question # 02 : Write a program to find the sum of all digit
/*
  var a = "23618"
  b = [...a]
  console.log(b)
  c = b.reduce((num1, num2) => {
    return Number(num1) + Number(num2)
  })
  console.log(c)
*/
```

Question # 03

```
//Question # 03 : write a program to find the sum of even digit

/*
  var a = "23618"
  b = [...a]
  console.log(b)
  function evendigit(b) {
    if (b % 2 == 0) {
      return b
    }
  }
  let newarray = b.filter(evendigit)
  console.log(newarray)
  let sum = newarray.reduce((num1, num2) => {
    return Number (num1) + Number (num2)
  })
  console.log(sum)
*/
```

Question # 04

//Question # 04 : Write a Java Script that calculate the square and cubes of the number form 0 to 10

```
/*
value = 0
for (i = 0; i < 10; i++) {
  value = i * i
  console.log("value of square is " + value)
}
for (i = 0; i < 10; i++) {
  value = i * i * i
  console.log("value of cube is " + value)
}
```

```
*/
```

Question # 05

//Question # 05 : Develop and demonstrate java script that uses functions for the following problems

```
/*
  var chr = ""
  let str = prompt("Enter the string")
  let num = prompt("Enter the Number")
  str = str.toUpperCase()
  console.log(str)
  for (var i = 0; i < str.length; i++) {
    chr = str.charAt(i)
    if (chr == "A" || chr == "E" || chr == "I" || chr == "O" || chr == "U") {
      break;
    }
  }
  if (i < str.length) {
    console.log("Position of left most vowel is : " + (i + 1))
  }
  else {
    console.log("No vowel found at left position !")
  }
  let reversedNum = num.toString().split('').reverse().join('')
  console.log("Reversed Number is : " + reversedNum)
*/
```

Question # 06

//Question # 06 : Write a java script program where the program takes a random integer.....

```
/*
  var randomNum = Math.floor(Math.random() * 10)
  console.log(randomNum)
  let guessNum = prompt("Enter your Guess Number : ")
  if (guessNum == randomNum) {
    console.log("YOU WIN")
  }
  else {
    console.log("NOT MATCHED")
  }
*/
```

Question # 07

// Question # 07 : Write a JavaScript program to check whether 10 appears in first or last position

```
/*
  let array = [1,10,5]
  let lastPos = array.length - 1
  if (array[0] == 1) {
    console.log("Yes 10 appears at 1st Position : ")
  }
  else if (array[lastPos] == 10) {
    console.log("Yes 10 appears at last Position : ")
  }
  else {
    console.log("10 is not present in array ! ")
  }
*/
```

```
}  
*/
```

Question # 08

```
// Question # 08 : Write a java script  function that return a passed string with  
letter in alphabetical order  
/*  
let str = prompt("Enter the string to print in alphabetical order : ")  
str = str.split('').sort().join('')  
console.log("String in alphabetical order is : " + str)  
*/
```