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| A7D18627**COMSATS UNIVERSITY ISLAMABAD**  **ATTOCK CAMPUS** |

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| Program | BS-(SE) |
| Semester | VI |

**MOBILE APPLICATION DEVELOPMENT**

**LAB ASSIGNMENT# 01**

 /////Task 1

let number= "23617";

let kth\_number=4;

console.log("Kth last digit is:");

let i=0;

for( let b=number.length; b>=0; b--){

    if (i==4){

        console.log(number[b]);

        break;

    }

    else{

        i=i+1;

        continue;

    }

}

 ///Task 2

  let str1="23618";

  let string1=Array.from(str1);

  console.log(string1);

   let result=string1.reduce(reducer\_func)

    function reducer\_func(prev,curr)

    {

        return Number (prev)+ Number (curr);

    }

    console.log(result);

    ////Task 8

function alpha\_order(string2)

  {

        return string2.split('').sort().join('');

  }

console.log(alpha\_order("comsats"));

    /////Task 3

let string="23617";

let str=Array.from(string);

console.log(str);

let arr6=str.filter(filter\_func)

    function filter\_func(x,y)

{

    if(x,y%2==0)

    {

        return x+y;

    }

}

console.log(filter\_func(2,6));

//// TASK 4

////SQUARE

let arr=[0,1,2,3,4,5,6,7,8,9,10]

let arr1=arr.map(squareX);

function squareX(a)

{

    return a\*\*2;

}

console.log(arr1);

/////CUBE

let array=[0,1,2,3,4,5,6,7,8,9,10]

let array1=array.map(cubeX);

    function cubeX(i)

    {

        return i\*\*3;

    }

 console.log(array1);

////Task 6

let numb = Math.ceil(Math.random()\*10);

console.log(numb);

let guess\_num = prompt('Guess the no between 1 and 10');

 if (guess\_num== numb)

   console.log("You Win");

  else

   console.log("Not Matched");

////Task 7

function first\_last\_10(numbers)

{

  var end\_position = numbers.length >=2;

  return numbers[0] == 10 || numbers[end\_position] == 10;

}

console.log(first\_last\_10([3,5,2]));

console.log(first\_last\_10([1,6,8,1]));

console.log(first\_last\_10([10,4,5]));

    ////Task 8

function alpha\_order(string2)

  {

        return string2.split('').sort().join('');

  }

console.log(alpha\_order("comsats"));

**OUTPUT:**



