# ASSIGNMENT

**Submitted**

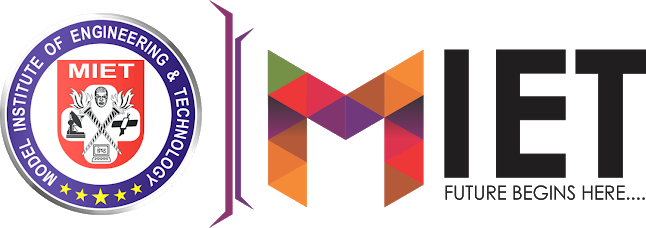
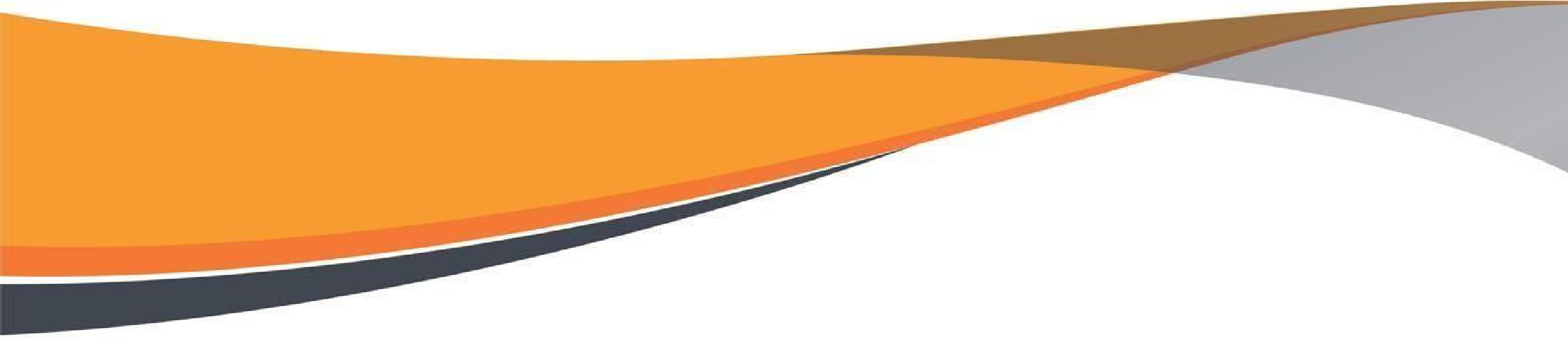
**By**

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**Semester – 1st**

**Department: CSE - Cyber Security**



# Model Institute of Engineering &Technology (Autonomous)

(Permanently Affiliated to the University of Jammu, Accredited by NAAC with “A” Grade)Jammu, India

2023

**1.Write the program for check the given string is in password validation.**

#include <stdio.h>

#include <string.h>

#include <ctype.h>

int isPasswordValid(char \*password)

{

int length = strlen(password);

int hasUpperCase = 0;

int hasLowerCase = 0;

int hasDigit = 0;

if (length < 8 || length > 20)

{

return 0;

}

for (int i = 0; i < length; i++)

{

if (isupper(password[i]))

{

hasUpperCase = 1;

}

else if (islower(password[i]))

{

hasLowerCase = 1;

}

else if (isdigit(password[i]))

{

hasDigit = 1;

}

}

if (hasUpperCase && hasLowerCase && hasDigit)

{

return 1;

}

else

{

return 0;

}

}

int main()

{

char password[50];

printf("Enter the password: ");

scanf("%s", password);

if (isPasswordValid(password))

{

printf("Password is valid.\n");

}

else

{

printf("Password is invalid.\n");

}

return 0;

}  
  
 

**2. Write a C program to find the maximum and minimum element in an array.**

#include<stdio.h>

int main()

{

int n;

printf("Enter the size of the array");

scanf("%d",&n);

int a[n],max=0,i,j,min=0;

printf("Enter the array elements");

for(i=0;i<n;i++)

scanf("%d",&a[i]);

max=a[0];

min=a[0];

for(i=1;i<n;i++)

{

if(max<a[i])

{

max=a[i];

}

}

for(j=1;j<n;j++)

{

if(min>a[j])

{

min=a[j];

}

}

printf("The max element is:%d\n",max);

printf("The min element is:%d\n",min);

    return 0;

}

