ASSIGNMENT

By

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2023A7R047

Semester:1st

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 printing the Student Mark Sheet.

```c
#include<stdio.h>
int main(){
    char name[25];
    int rollno;
    float sub1,sub2,sub3,sub4,sub5;
    float total;
    printf("Enter the student name");
    scanf("%s",&name);
    printf("Enter the students roll no");
    scanf("%d",&rollno);
    printf("Enter the marks in sub1,sub2,sub3,sub4,sub5");
    scanf("%f %f %f %f %f",&sub1,&sub2,&sub3,&sub4,&sub5);
    total=sub1+sub2+sub3+sub4+sub5;
    printf("total marks=%.2f",total);
    float percent=(total/500)*100;
    printf(" percentage=%.2f",percent);
    if(percent>=40){
        printf("pass");
    }
    else{
        printf("fail");
    }
    return 0;

    }
```



```
Enter the student namelogan
Enter the students roll no49
Enter the marks in sub1,sub2,sub3,sub4,sub52

3
3
4
5
total marks=17.00 percentage=3.40fail
```

2.Write the program for print largest three digit jumping number.

```c
#include <stdio.h>

// Function to check if a number is a jumping number
int isJumpingNumber(int num)
{
    int prevDigit = -1;
    while (num > 0)
    {
        int currentDigit = num % 10;
        if (prevDigit != -1 && abs(prevDigit - currentDigit) != 1)
        {
            return 0; // Not a jumping number
        }
        prevDigit = currentDigit;
        num /= 10;
    }
    return 1; // It is a jumping number
}

int main()
{
    printf("Largest three-digit jumping numbers:\n");

    // Loop through three-digit numbers in reverse order
    for (int i = 999; i >= 100; i--)
    {
        if (isJumpingNumber(i))
        {
            printf("%d\n", i);
            break; // Print the first jumping number found and exit the loop
        }
    }

    return 0;
}
```

```
Enter the student namelogan
Enter the students roll no49
Enter the marks in sub1,sub2,sub3,sub4,sub52

3
3
4
5
total marks=17.00 percentage=3.40fail
```