UNIT 2

QUESTION 1

Problem Description:

Kate and her 7-year-old sister Tina were playing a spelling game. Kate will tell a number and Tina has to find the corresponding month and should spell the month. Can you write a C program to automate it? Accept a month in digit from the user. Display the corresponding month in words. If the number is not between 1 and 12 display the message "Invalid Month".

Program

```c
#include<stdio.h>
int main(){
    int month;
    scanf("%d",&month);
    switch(month){
        case 1 :
            printf("January")
            break;
        case 2 :
            printf("February")
            break;
        case 3 :
            printf("March")
            break;
        case 4 :
            printf("April")
            break;
        case 5 :
```

```c
            printf("May")

            break;

        case 6 :

            printf("June")

            break;

        case 7 :

            printf("July")

            break;

        case 8 :

            printf("August")

            break;

        case 9 :

            printf("September")

            break;

        case 10 :

            printf("October")

            break;

        case 11 :

            printf("November")

            break;

        case 12 :

            printf("December")

            break;

        default :

            printf("Invalid month");

    }

}
```

UNIT 3

QUESTION 1

Problem Description:

Stefi is an intern in a Software Company. She finds it difficult to work on strings. She needs

your help in one of her works in which she has to find the first and last occurrence of a given

character in a string

Program

```c
#include<stdio.h>


int main(){
    int n;
    char c;
    scanf("%c",&c);
    scanf("%d",&n);
    char input[n];
    scanf("%s",input);
    int first_idx = -1, last_idx = -1;
    for(int i=0;i<n;i++){
        if(input[i]==c){
            first_idx = i;
            break;
        }
    }
    for(int i=n-1;i>=0;i--){
```

```c
        if(input[i]==c){

            last_idx = i;

            break;

        }

    }

    printf("First Index : %d\nLast Index : %d",first_idx,last_idx);

}




/*if the character is not present then ,

first index = -1

last index = -1 */
```