

Statements

Q1. Program to find number of days in a month by using switch and case statement?

Ans1-

```
#include<stdio.h>

Int main()
{
    int month, days;

    printf("Enter value of month: ");
    scanf("%d",&month);
    switch(month)
    {
        case 2:
            days=28;
            break;
        case 1:
        case 3:
        case 5:
        case 7:
        case 8:
        case 10:
        case 12:
            days=31;
            break;
```

```

        case 4:

        case 6:

        case 9:

        case 11:

                days=30;

                break;

        default:

                days=null;

                break;

    }

    if(days)

    printf("Number of days in %d month is: %d\n",month, days);

    else

        printf("this is invalid month\n");

    return 0;

}

```

Q2. write a program to print alphabet in pyramid.

Ans2:

```

#include <stdio.h>

int main()

{

    int i, j;

```

```

char input, alphabet = 'A';

printf("Enter an uppercase character you want to print in the last row: ");

scanf("%c", &input);

for (i = 1; i <= (input - 'A' + 1); ++i)
{
    for (j = 1; j <= i; ++j)
    {
        printf("%c ", alphabet);

        ++alphabet;
    }

    printf("\n");
}

return 0;
}

```

Q3. why we are used keyword “Break” ?

Ans3: Break keyword can be used with looping and switch statements. The main purpose of break keyword is to bring the control from executing code block.

Q4- Wrpto Check the given number is Palindrome

Ans4-

```
#include <stdio.h>
```

```
int main()
```

```

{
    int num, reversed = 0, remainder, orig;

    printf("Enter the value of num: ");

    scanf("%d", &num);

    orig = num;

    while (n != 0)
    {
        remainder = num % 10;

        reversed = reversed * 10 + remainder;

        num /= 10;
    }

    if (orig == reversed)
    {
        printf("%d number is a palindrome.", orig);
    }
    Else
    {
        printf("%d number is not a palindrome.", orig);
    }

    return 0;
}

```

