Assignment day3 practice

1. Check which number is the largest

```c
#include <stdio.h>

int main() {
    int num1, num2, num3;

    printf("Enter three numbers: ");
    scanf("%d %d %d", &num1, &num2, &num3);

    if (num1 >= num2 && num1 >= num3)
        printf("The largest number is: %d\n", num1);
    else if (num2 >= num1 && num2 >= num3)
        printf("The largest number is: %d\n", num2);
    else
        printf("The largest number is: %d\n", num3);

    return 0;
}
```

2. Compute the perimeter and area of a rectangle

```c
#include <stdio.h>

int main() {
    int height = 7, width = 5;
    int perimeter = 2 * (height + width);
    int area = height * width;
```

```c
    printf("Perimeter of the rectangle: %d inches\n", perimeter);
    printf("Area of the rectangle: %d square inches\n", area);


    return 0;
}
```

3. Convert days into years, weeks, and days

```c
#include <stdio.h>

int main() {
    int total_days, years, weeks, days;

    printf("Enter the number of days: ");
    scanf("%d", &total_days);

    years = total_days / 365;
    weeks = (total_days % 365) / 7;
    days = (total_days % 365) % 7;

    printf("%d days is equivalent to: %d years, %d weeks, and %d days\n", total_days, years, weeks, days);

    return 0;
}
```

4. Convert seconds to hours, minutes, and seconds

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

```c
int main() {
    int total_seconds, hours, minutes, seconds;

    printf("Input seconds: ");
    scanf("%d", &total_seconds);

    hours = total_seconds / 3600;
    minutes = (total_seconds % 3600) / 60;
    seconds = total_seconds % 60;

    printf("There are:\nH:M:S - %d:%d:%d\n", hours, minutes, seconds);

    return 0;
}
```

5. Check divisibility by 3 or 7

```c
#include <stdio.h>
int main() {
    int n;
    scanf("%d", &n);
    printf("%s\n", (n % 3 == 0 || n % 7 == 0) ? "True" : "False");
    return 0;
}
```

6. Check if at least one of three integers is within 20 to 50

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

```c
int main() {
    int num1, num2, num3;

    printf("Enter three integers: ");
    scanf("%d %d %d", &num1, &num2, &num3);

    if ((num1 >= 20 && num1 <= 50) ||
        (num2 >= 20 && num2 <= 50) ||
        (num3 >= 20 && num3 <= 50)) {
        printf("True\n");
    } else {
        printf("False\n");
    }

    return 0;
}
```

using ternary operator

```c
#include <stdio.h>
int main() {
    int a, b, c;
    scanf("%d %d %d", &a, &b, &c);
    printf("%s\n", (a >= 20 && a <= 50) || (b >= 20 && b <= 50) || (c >= 20 && c <= 50) ? "True" :
"False");
    return 0;
}
```