Practice # 29

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

int main()
{
    double fahrenheit;
    double celsius;
    int i;

    printf("\t Table\t Fahrenheit \t Celsius\n");

    for (fahrenheit = 20; fahrenheit <= 96; fahrenheit = fahrenheit + 4)
    {
        Celsius = (5.0/9.0) * (fahrenheit - 32.0);
        printf("\t%d \t%.2f\n", ++i, fahrenheit, celsius);
    }

    return 0;
}
```

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

int main()
{
    int period = 9;
    int initial = 1000;
    double balance = 1000;

    for (int i = 0; i <= period; ++i)
    {
        balance = balance * 1.08;
        printf("Year %d: %.2f\n", (i+1), balance);
    }
    printf("\n The deposited amount of %d has grown up
           %.2f after %d years", initial, balance, per

    return 0;
}
```

Practice 11 30 //

Practice # 31

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

int main()
{
    int grade;
    do
    {
        printf("Enter your grade: ");
        scanf("%d", &grade);
    if(grade > 100 || grade < 0)
    { printf("Invalid grade.");
      break;
    }
    printf("Your grade is %d.\n", grade);
    }
    while(grade >= 0 && grade <= 100);

    return 0;
}
```

#include <stdio.h>
#include <stdlib.h>

int main()

Practice # 32

{ int grade;
int quant=0;
double sum=0;
double avg;

printf("Note: If you have exited the program without entering a single valid digit, average result will be 'nan' (not a number)\n");

do
{ printf("Enter your grade (use '999' to exit and calculate the average:");
scanf("%d", &grade);
if (grade<0 || (grade>999) || (grade>1000 && grade<999)))
{ printf("Invalid grade! Please try again.\n");
}
else if (grade==999)
{ break;
}
else
{ quant+=1;
sum+=grade;
}

```
}
while (grade != -999);

avg = sum / quant;
Printf ("\n Your average based on valid numbers you entered:
        %.2lf", avg);

return 0;
}
```

Practice # 33

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

int main()
{
    int n;
    int i;
    printf("Enter an integer: ");
    scanf("%d", &n);

    for(i=1; i<=8; ++i)
    {
        printf("%d * %d = %d \n", n, i, n*i);
    }
    return 0;
}
```