```c
#include<stdio.h>

//형성평가 1번
int main() {
        int num = 0;
        int sum = 0, avg = 0, count = 0;

        for (int i  = 0; i <= 19; i++)
        {
                scanf("%d", &num);

                if (num == 0) break;
                sum += num;
                count++;
        }

        if (count == 0)
        {
                printf("0 0");
                return 0;
        }

        avg = sum / count;
        printf("%d %d", sum, avg);

        return 0;
}

//형성평가 2번
int main() {
        int num = 0;

        scanf("%d", &num);

        for (int i = num; i <= num*10; i += num)
        {
                printf("%d ", i);
                if (i >= 10 && i % 10 == 0)
                {
                        break;
                }
        }
        return 0;
```

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}


//형성평가 3번
int main() {
        int num = 0;

        scanf("%d", &num);

        for (int i = 0; i < num; i++)
        {
                for (int j = 0; j < i; j++)
                {
                        printf("*");
                }
                printf("\n");
        }
        for (int i = 0; i < num; i++)
        {
                for (int j = 0; j < num - i; j++)
                {
                        printf("*");
                }
                printf("\n");
        }
        return 0;
}

#include<stdio.h>

//형성평가 4번
int main() {
        int num = 0;

        scanf("%d", &num);

        for (int i = 0; i < num; i++)
        {
                for (int j = 0; j < i; j++)
                {
                        printf(" ");
                }
                for (int j = 0; j < (num*2)-1 - i*2; j++)
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                {
                        printf("*");
                }
                printf("\n");
        }
        for (int i = 2; i <= num; i++)
        {
                for (int j = 0; j < num - i; j++)
                {
                        printf(" ");
                }
                for (int j = 0; j < (i*2)-1; j++)
                {
                        printf("*");
                }
                printf("\n");
        }
        return 0;
}

//형성평가 5번
int main() {
        int num = 0;

        scanf("%d", &num);

        for (int i = 0; i <= num; i++)
        {
                for (int j = 0; j < num - i; j++)
                {
                        printf(" ");
                }
                for (int j = 0; j < i; j++)
                {
                        printf("*");
                }
                printf("\n");
        }
        return 0;
}

#include<stdio.h>
```

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//형성평가 6번
int main() {
        int num = 0;
        int count = 0;

        scanf("%d", &num);

        for (int i = 0; i <= num; i++)
        {
                count = 1;
                for (int j = 0; j < num - i; j++)
                {
                        printf(" ");
                }
                for (int j = 0; j < i; j++)
                {
                        printf("%d", count);
                        count++;
                }
                printf("\n");
        }
        return 0;
}

//형성평가 7번
int main() {
        int num = 0;
        int count = 0;
        char name = 'A';

        scanf("%d", &num);

        for (int i = 0; i < num; i++)
        {
                for (int j = 0; j < num-i; j++)
                {
                        printf("%c", name);
                        name++;
                }
                for (int j = 0; j < i; j++)
                {
                        printf("%d", count);
                        count++;
```

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                }
                printf("\n");
        }
        return 0;
}

//형성평가 8번
int main() {
        int num = 0;
        int count = 0;
        char name = 'A';

        scanf("%d", &num);

        for (int i = 0; i < num; i++)
        {
                for (int j = 0; j < i; j++)
                {
                        printf(" ");
                }
                for (int j = 0; j < num-i; j++)
                {
                        count++;
                        printf("%d", count);
                }
                printf("\n");
        }
        return 0;
}

//형성평가 9
int main() {
        int num = 0;
        int count = 0;

        scanf("%d", &num);

        for (int i = 0; i < num; i++)
        {
                for (int j = 0; j < i; j++)
                {
                        printf("#");
                }
```

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            printf("\n");
    }
    for (int i = 0; i < num; i++)
    {
            for (int j = 0; j < i; j++)
            {
                    printf(" ");
            }
            for (int j = 0; j < num - i; j++)
            {
                    printf("#");
            }
            printf("\n");
    }

    return 0;
}

//형성평가 10
int main() {
    int num = 0;
    int count = 1;

    scanf("%d", &num);

    for (int i = 0; i < num; i++)
    {
            for (int j = 0; j < num; j++)
            {
                    if (count >=10)
                    {
                            count = 1;
                    }
                    printf("%d", count);
                    count += 2;
            }
            printf("\n");
    }

    return 0;
}
```