

# Average of N Numbers

```
#include <stdio.h>

int main() {
    int n, i;
    float num, sum = 0, avg;

    printf("Enter how many numbers: ");
    scanf("%d", &n);

    for(i = 1; i <= n; i++) {
        printf("Enter number %d: ", i);
        scanf("%f", &num);
        sum = sum + num;
    }

    avg = sum / n;

    printf("Average = %.2f", avg);

    return 0;
}
```

# Height Categorization

```
#include <stdio.h>

int main() {
    float height;

    printf("Enter height in cm: ");
    scanf("%f", &height);

    if(height > 170)
        printf("Taller");
    else if(height < 150)
        printf("Dwarf");
    else
        printf("Average");

    return 0;
}
```

# Sum of Squares of First N Natural Numbers

```
#include <stdio.h>

int main() {
    int n, i, sum = 0;

    printf("Enter N: ");
```

```
scanf("%d", &n);

for(i = 1; i <= n; i++) {
    sum = sum + (i * i);

}

printf("Sum = %d", sum);

return 0;
}
```

## Sum of Multiples of X up to Limit

```
#include <stdio.h>

int main() {
    int x, limit, i, sum = 0;

    printf("Enter X: ");
    scanf("%d", &x);

    printf("Enter Limit: ");
    scanf("%d", &limit);

    for(i = x; i <= limit; i = i + x) {
        sum = sum + i;

    }
}
```

```
printf("Sum of multiples = %d", sum);

return 0;
}
```

## **Print Numbers from M to N Skipping K Numbers**