

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int num;
6     cin >> num;
7     bool is_even1 = (num % 2 == 0);
8     double by2 = (double) num / 2.0;
9     by2 = by2 - (int) by2;
10    bool is_even2 = by2 == 0;
11    int last_digit = num % 10;
12    bool is_even3 = last_digit == 0 || last_digit == 2 || last_digit == 4 || last_digit == 6 || last_digit == 8;
13    return 0;
14 }
```

```
1  #include<iostream>
2  using namespace std;
3  int main()
4  {
5      double a1, a2, a3, a4, a5;
6      cin >> a1 >> a2 >> a3 >> a4 >> a5;
7
8      double avg1 = (a1+a2+a3+a4+a5) / 5.0;
9      double sum1 = (a1+a2+a3) / (a4+a5);
10     double first3_avg = (a1+a2+a3) / 3.0;
11     double last2_avg = (a4+a5) / 2.0;
12     double avg2 = first3_avg / last2_avg;
13
14     cout<<avg1<<"\n";
15     cout<<sum1<<"\n";
16     cout<<avg2<<"\n";
17
18     cout<<sum1 * 2.0/3.0<<"\n";
19     return 0;
20 }
```

```
1  #include<iostream>
2  using namespace std;
3  int main()
4  {
5      int n;
6      cin >> n;
7      int last1 = n % 10;
8      n /= 10;
9      int last2 = n % 10;
10     n /= 10;
11     int last3 = n % 10;
12     n /= 10;
13     cout << last1 + last2 + last3 << "\n";
14     return 0;
15 }
```

```
1  #include<iostream>
2  using namespace std;
3  int main()
4  {
5      int n;
6      cin >> n;
7      cout << (n / 1000) % 10 << "\n";
8      return 0;
9  }
```

```
1  #include<iostream>
2  using namespace std;
3  int main()
4  {
5      double a, b;
6      cin>>a>>b;
7      double result = a/b;
8      cout<<result - (int)result;
9      return 0;
10 }
```

```
1  #include<iostream>
2  using namespace std;
3  int main()
4  {
5      int n, m;
6      cin >> n >> m;
7      int result = n - (n / m) * m;
8      cout << result << " " << n % m << "\n";
9      return 0;
10 }
```

```
1  #include<iostream>
2  using namespace std;
3  int main()
4  {
5      int n;
6      cin >> n;
7      int is_even = n % 2 == 0;
8      int is_odd = 1 - is_even;
9      int result = is_even * 100 + is_odd * 7;
10     cout<<result<<"\n";
11     return 0;
12 }
```

```
1  #include<iostream>
2  using namespace std;
3  int main()
4  {
5      int days;
6      cin >> days;
7      int years = days / 360;
8      days = days % 360;
9      int months = days / 30;
10     days = days % 30;
11     cout<<years<<" " <<months<<" " <<days<<"\n";
12     return 0;
13 }
```