
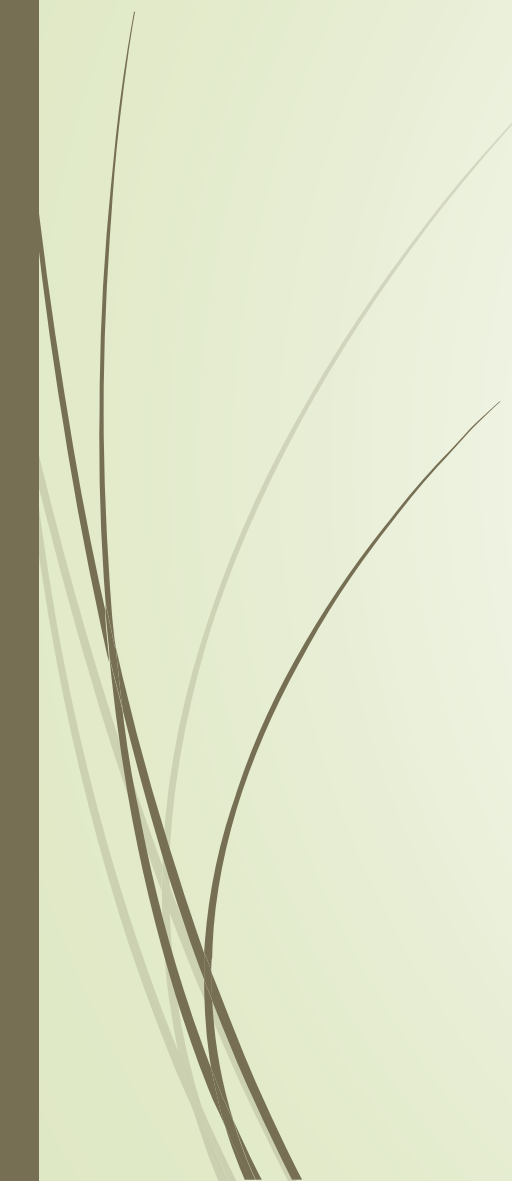







# Exercises

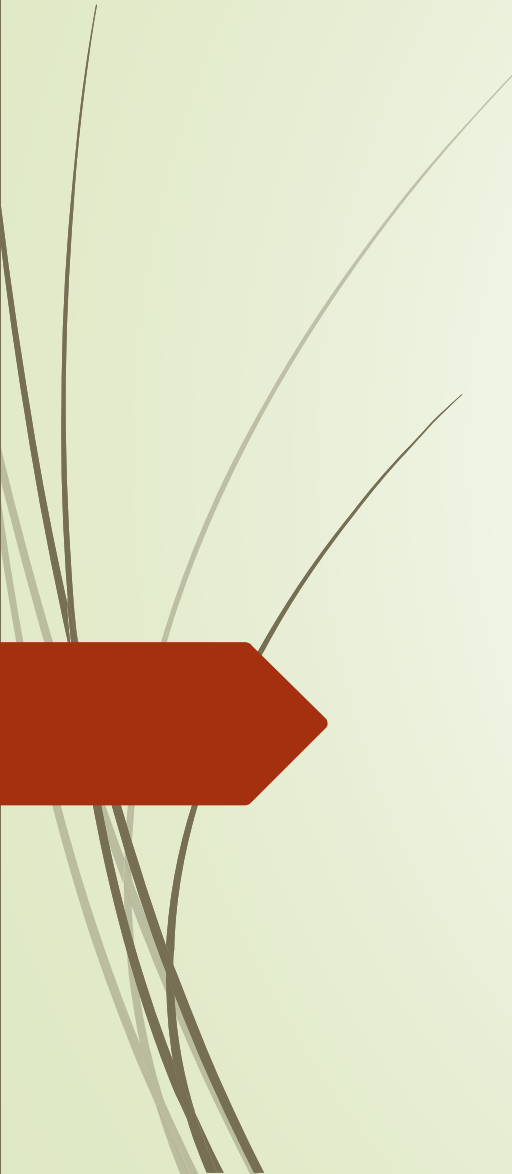

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- 1. Write a c++ code that prints msg Hello world
  - 2. Write a c++ code that calculates the sum of two numbers.

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- 3. Write a c++ code that calculates the average of three marks.
  - 4. Write a c++ code that finds the circumference and area of circle .
  - 5. Write a c++ code that converts a Fahrenheit degree to Celsius using the formula.  $Celsius = (5/9)(fahrenheit - 32)$



```
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      cout << "Hello world!" << endl;
8      return 0;
9  }
10
```


Code 1




```
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      int x=3,y=4;
8      int sum= x+y;
9      cout<<"sum = "<<sum<<endl;
10     return 0;
11 }
12
```



Code 2




```
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      int mark1=99, mark2=75 ,mark3 =60 ;
8      float average = (mark1+mark2+mark3)/3;
9
10     cout<< "average ="<<average<<endl;
11
12
13
```



Code 3

```
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7
8      float r ,PI=3.14;
9      cout<<"enter radius"<<endl;
10     cin>> r;
11     float area = PI * r * r;
12     float circumference = 2*PI*r;
13
14     cout<< "area="<<area<<endl;
15     cout<<"circumference="<<circumference<<endl;
16
17
18 }
19
```

Code 4



```
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7
8      float celsius, fahrenheit;
9
10     cout<< "Enter temperature in Fahrenheit: ";
11     cin>> fahrenheit;
12
13     celsius = (fahrenheit - 32) * ((float)5 / 9);
14
15     cout<< fahrenheit << " Fahrenheit = " << celsius << " Celsius"<<endl;
16
17
18     return 0;
19 }
20
```

Code 5