David Perez | Dat49 | Exercise 6A

1. **.**

david@Davids-MacBook-Pro ~ % ssh davidperez@146.111.158.149

davidperez@146.111.158.149's password:

Last login: Mon Mar 8 13:43:54 2021 from 146.111.158.254

[davidperez@cos-bcc-cuny-edu ~]$ cd Exercises

[davidperez@cos-bcc-cuny-edu Exercises]$ cd 6a

[davidperez@cos-bcc-cuny-edu 6a]$ ls

1.cpp a.out name

[davidperez@cos-bcc-cuny-edu 6a]$ ./name

David, Perez[davidperez@cos-bcc-cuny-edu 6a]$

**Code inside 1.cpp:**

#include <iostream>

using namespace std;

int main() {

cout << “David, Perez”

return 0;

}

1. **.**

david@Davids-MacBook-Pro ~ % ssh davidperez@146.111.158.149

davidperez@146.111.158.149's password:

Last login: Mon Mar 8 18:21:26 2021 from 146.111.158.254

[davidperez@cos-bcc-cuny-edu ~]$ cd Exercises

[davidperez@cos-bcc-cuny-edu Exercises]$ cd 6a

[davidperez@cos-bcc-cuny-edu 6a]$ ls

1.cpp 2.cpp name welcome

[davidperez@cos-bcc-cuny-edu 6a]$ ./welcome

Welcome to C++[davidperez@cos-bcc-cuny-edu 6a]$

**Code inside 2.cpp:**

#include <iostream>

Using namespace std;

int main() {

cout << “Welcome to C++”;

return 0;

}

1. **.**

david@Davids-MacBook-Pro ~ % ssh davidperez@146.111.158.149

davidperez@146.111.158.149's password:

Last login: Mon Mar 8 18:37:55 2021 from 146.111.158.254

[davidperez@cos-bcc-cuny-edu ~]$ cd Exercises

[davidperez@cos-bcc-cuny-edu Exercises]$ cd 6a

[davidperez@cos-bcc-cuny-edu 6a]$ ./salary

Lets calculate the salary of an employee!

Please enter the hourly pay rate: 15

Please enter the amount of hours worked this week: 40

Your salary for this week is: 600.

[davidperez@cos-bcc-cuny-edu 6a]$

**Code for 3.cpp (salary):**

#include <iostream>

using namespace std;

int main() {

int x, y;

cout << "Lets calculate the salary of an employee! \n";

cout << "Please enter the hourly pay rate: ";

cin >> x;

cout << "Please enter the amount of hours worked this week: ";

cin >> y;

int z = x \* y;

cout << "Your salary for this week is: " <<z << ". \n";

return 0;

}

1. **.**

david@Davids-MacBook-Pro ~ % ssh davidperez@146.111.158.149

davidperez@146.111.158.149's password:

Last login: Mon Mar 8 19:01:10 2021 from 146.111.158.254

[davidperez@cos-bcc-cuny-edu ~]$ cd Exercises

[davidperez@cos-bcc-cuny-edu Exercises]$ cd 6a

[davidperez@cos-bcc-cuny-edu 6a]$ ls

1.cpp 2.cpp 3.cpp 4.cpp area name salary welcome

[davidperez@cos-bcc-cuny-edu 6a]$ ./area

Lets calculate the area of a rectangle!

Please enter the width: 12

Please enter the length: 12

The area of the rectangle is: 144.

[davidperez@cos-bcc-cuny-edu 6a]$

**Code:**

#include <iostream>

using namespace std;

int main() {

int l, w;

cout << "Lets calculate the area of a rectangle! \n";

cout << "Please enter the width: ";

cin >> w;

cout << "Please enter the length: ";

cin >> l;

int a = l \* w;

cout << "The area of the rectangle is: " <<a << ". \n";

}

1. .

Last login: Mon Mar 8 20:00:41 on ttys000

david@Davids-MacBook-Pro ~ % ssh davidperez@146.111.158.149

davidperez@146.111.158.149's password:

Last login: Mon Mar 8 19:16:27 2021 from 146.111.158.254

[davidperez@cos-bcc-cuny-edu ~]$ cd Exercises

[davidperez@cos-bcc-cuny-edu Exercises]$ cd 6a

[davidperez@cos-bcc-cuny-edu 6a]$ ls

1.cpp 2.cpp 3.cpp 4.cpp 5.cpp area area2 name salary welcome

[davidperez@cos-bcc-cuny-edu 6a]$ ./area2

Lets calculate the area of a circle!

Please enter the radius: 2

The area of the circle is: 12.

[davidperez@cos-bcc-cuny-edu 6a]$

**Code:**

#include <iostream>

using namespace std;

int main() {

int pi = 3.14;

int radius;

cout << "Lets calculate the area of a circle! \n";

cout << "Please enter the radius: ";

cin >> radius;

int a = radius \* radius \* pi;

cout << "The area of the circle is: " <<a << ". \n" ;

}