Hand in:

* Output: show all different scenarios
* Documented source code.
* Due date: Oct16th, 2020

Output:

Text

Description automatically generated

Documented Source Code:

1. Created functions for each shape with its own parameters identifying as an integer.
2. Each function returns each formula and returns the final answer in the output
3. Programmed another function called “main” that gives the user the option to insert the numbers as they which in the output.
4. Invoked both functions “main” and each shape function to print the results that user has inserted in the output.

Code:

#include<iostream>

using namespace std;

int Square(int side)

{

return(side \* side);

}

int Circle(int radius)

{

return(3.14 \* radius \* radius);

}

int Rectangle(int base, int width)

{

return(base \* width);

}

int main()

{

int radius,base,width,side;

cout<<"Enter side of a square:";

cin>>side;

cout<<"Enter radius of circle:";

cin>>radius;

cout<<"Enter base and height of Rectangle:";

cin>>base>>width;

cout<< "Area of square is :"<<Square(side) << "\n";

cout<< "Area of circle is :"<<Circle(radius) << "\n";

cout<< "Area of rectangle is :"<<Rectangle(base,width) << "\n";

}