**147206 – MICHELLE NANDUNGA MUKABANA.**

**DBIT 1102: INTRODUCTION TO PROGRAMMING.**

**ASSIGNMENT: CAT 1.**

**QUESTION 1.**

**//147206\_MICHELLE NANDUNGA MUKABANA**

**#include<iostream>**

**using namespace std;**

**int main()**

**{**

**float cylinder\_radius, cylinder\_height, cylinder\_surfacearea, cylinder\_volume;**

**cout << "\nInput the Radius of a cylinder = ";**

**cin >> cylinder\_radius;**

**cout << "\nInput Enter the Height of a cylinder = ";**

**cin >> cylinder\_height;**

**cylinder\_surfacearea = 2 \* 3.142 \* cylinder\_radius \* (cylinder\_radius + cylinder\_height);**

**cylinder\_volume = 3.142 \* cylinder\_radius \* cylinder\_radius \* cylinder\_height;**

**cout << "\nOutput Surface Area of a Cylinder = " << cylinder\_surfacearea;**

**cout << "\nOutput Volume of a Cylinder = " << cylinder\_volume;**

**return 0;**

**}**

**QUESTION 2.**

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**#include <iostream>**

**using namespace std;**

**int main()**

**{**

**float c;**

**cout << "Input temperature in Celsius\n";**

**cin >> c;**

**float f = (9 \*c) / 5; //calculating the first part of the formula**

**f += 32; //calculating the remaining part**

**cout << "Output temperature in Fahrenheit:" << f;**

**}**

**QUESTION 3.**

**N/A.**