

CODE Solution

//CS201 Assignment 1 Solution Spring 2022

```
#include<iostream>
```

```
using namespace std;
```

```
int main(){
```

```
    string studentName = "Muhammad Sarim"; // Student Name
```

```
    string VU_ID = "BC210201234"; // Student ID
```

```
    int NumberOfCourses = 6, firstDigitsOfVUID = 2; // Number of Courses and First Digit of VUID
```

```
    int sum = 0, iter = 1;
```

```
    sum = NumberOfCourses + firstDigitsOfVUID; // Sum of Courses and VUID
```

```
    cout<<" My name is "<<studentName<<endl;
```

```
    cout<<" My VU ID is "<<VU_ID<<endl;
```

```
    cout<<"\n \n Courses list in current semester"<<endl;
```

```
    cout<<" 1. Introduction to Programing"<<endl; // Course 1
```

```
    cout<<" 2. Introduction to Computing"<<endl; // Course 2
```

```
    cout<<" 3. Introduction to Programing (Practical)"<<endl; // Course 3
```

```
    cout<<" 4. Digital Logical Design"<<endl; // Course 4
```

```
    cout<<" 5. Digital Logic Design (Practical)"<<endl; // Course 5
```

```
    cout<<" 6. English Compulsory"<<endl; // Course 6
```

```
    cout<<"\n\n Total number of courses = "<<NumberOfCourses<<endl;
```

```
cout<<" First digit of VU ID = "<<firstDigitsOfVUID<<endl;

cout<<" Sum of First digit of VUID and total courses = "<<sum<<"\n\n"<<endl;

while ( iter <= sum)

{

    cout<<" "<<iter<<": Welcome to CS201-Introduction to Programming"<<endl;

    iter ++;

}

return 0;

}
```

CODE OUTPUT

```
My name is Muhammad Sarim  
My VU ID is BC210201234
```

```
Courses list in current semester
```

1. Introduction to Programing
2. Introduction to Computing
3. Introduction to Programing (Practical)
4. Digital Logical Design
5. Digital Logic Design (Practical)
6. English Compulsory

```
Total number of courses = 6
```

```
First digit of VU ID = 2
```

```
Sum of First digit of VUID and total courses = 8
```

- 1: Welcome to CS201-Introduction to Programming
- 2: Welcome to CS201-Introduction to Programming
- 3: Welcome to CS201-Introduction to Programming
- 4: Welcome to CS201-Introduction to Programming
- 5: Welcome to CS201-Introduction to Programming
- 6: Welcome to CS201-Introduction to Programming
- 7: Welcome to CS201-Introduction to Programming
- 8: Welcome to CS201-Introduction to Programming

```
-----  
Process exited after 1.883 seconds with return value 0  
Press any key to continue . . .
```