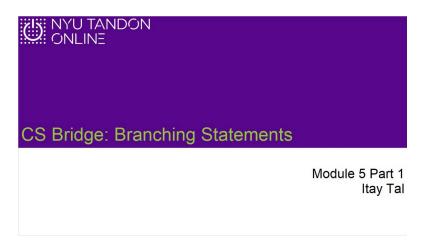
CS Bridge Module 5 Branching Statements Part 1

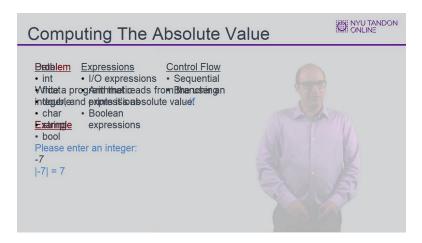
4. Title Slide

4.1 CS Bridge: Branching Statements



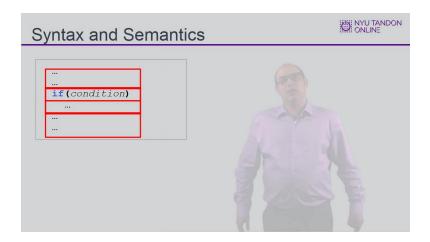
1. Motivation

1.1 Computing The Absolute Value



2. One Way if Statements

2.1 Syntax and Semantics

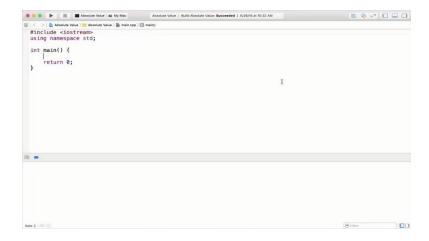


Notes:

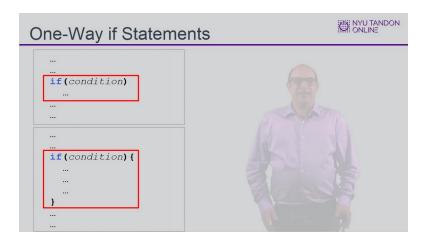
2.2 Computing the Absolute Value



2.3 Computing the Absolute Value



2.4 One-Way if Statements



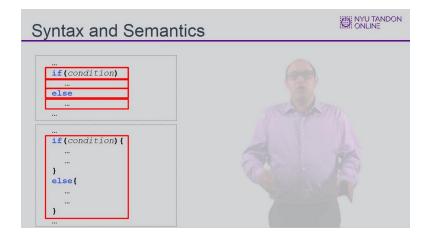
3. Two way if statements

3.1 Determining Parity



Notes:

3.2 Syntax and Semantics



3.3 Determining the Parity



Notes:

3.4 Determining the Parity Implementation



3.5 Sequence of if vs. if-else

```
int main() {
   int userInput;
   cout<<"Please enter a positive integer"<<endl;
   cin>>userInput % 2 == 0) {
      cout<<userInput<" is even"<<endl;
   }
   if(userInput % 2 == 1) {
      cout<<userInput<<" is odd"<<endl;
   }
   return 0;
}</pre>
```

Notes:

3.6 Boolean Interpretation

```
Boolean Interpretation

int main() {
  int val = 0;
  if(val = 0)
      cout<<"val is 0"<<endl;
  else
      cout<<"val is not 0"<<endl;
  return 0;
}</pre>
```

3.7 End of Module

