

NORTH SOUTH UNIVERSITY

Department of Electrical and Computer Engineering

Assignment – 06

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Course No. : CSE 225

Course Title : Data Structures and Algorithm

Section: 06

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Code:

```
#include <iostream>
using namespace std;
void Hanoi(int discNumber, char sourcePeg, char destinationPeg, char
auxiliaryPeg){
  if(discNumber == 1){
    cout << "Move disc 1 from peg " << sourcePeg << " to peg " <<
destinationPeg << endl;
    return;
  }
  Hanoi(discNumber - 1, sourcePeg, auxiliaryPeg, destinationPeg);
  cout << "Move disc " << discNumber << " from peg " << sourcePeg <<
" to peg " << destinationPeg << endl;
  Hanoi(discNumber - 1, auxiliaryPeg, destinationPeg, sourcePeg);
}
int main()
  Hanoi(5, 'A', 'C', 'B');
  return 0;
}
```

Screenshot:

