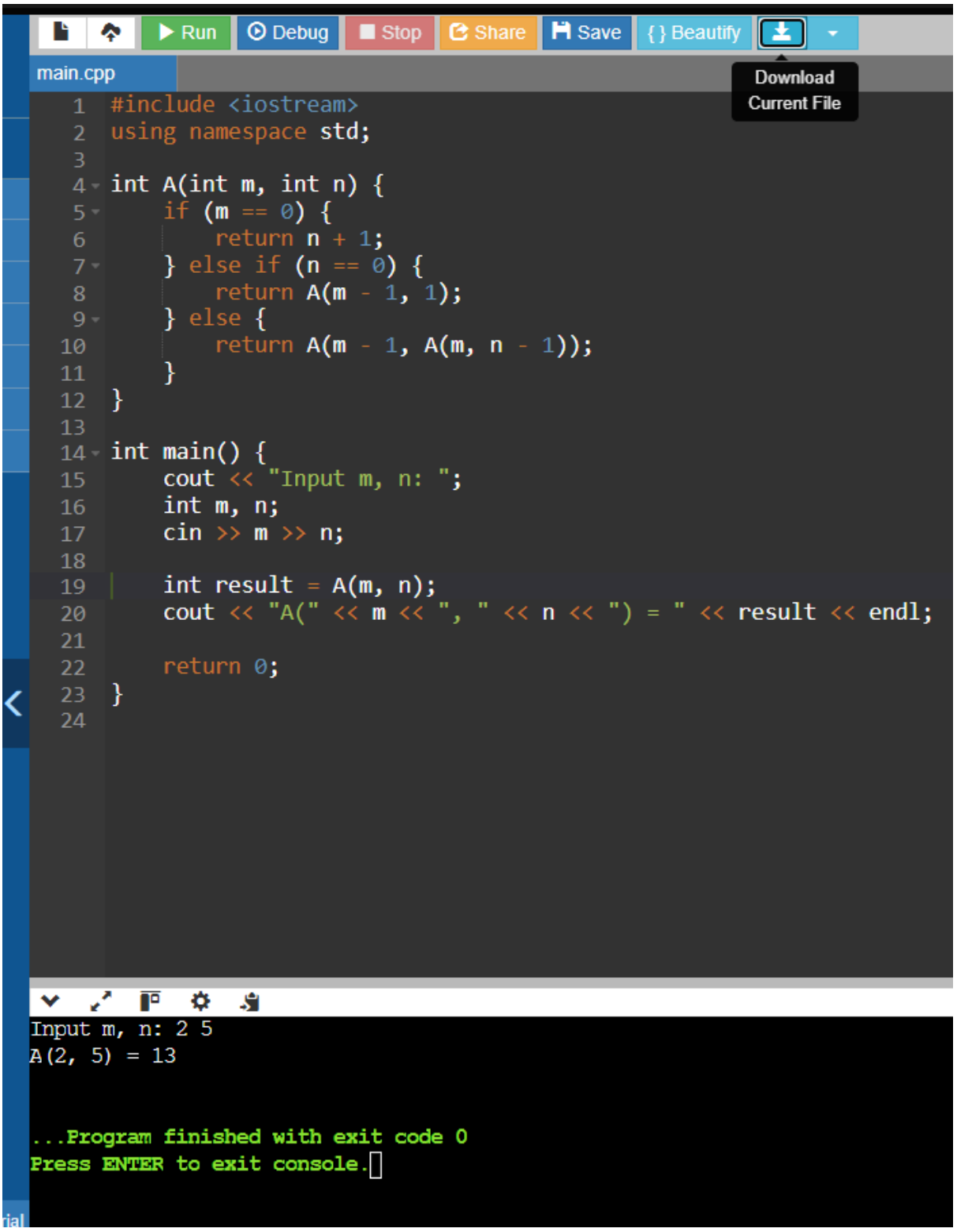
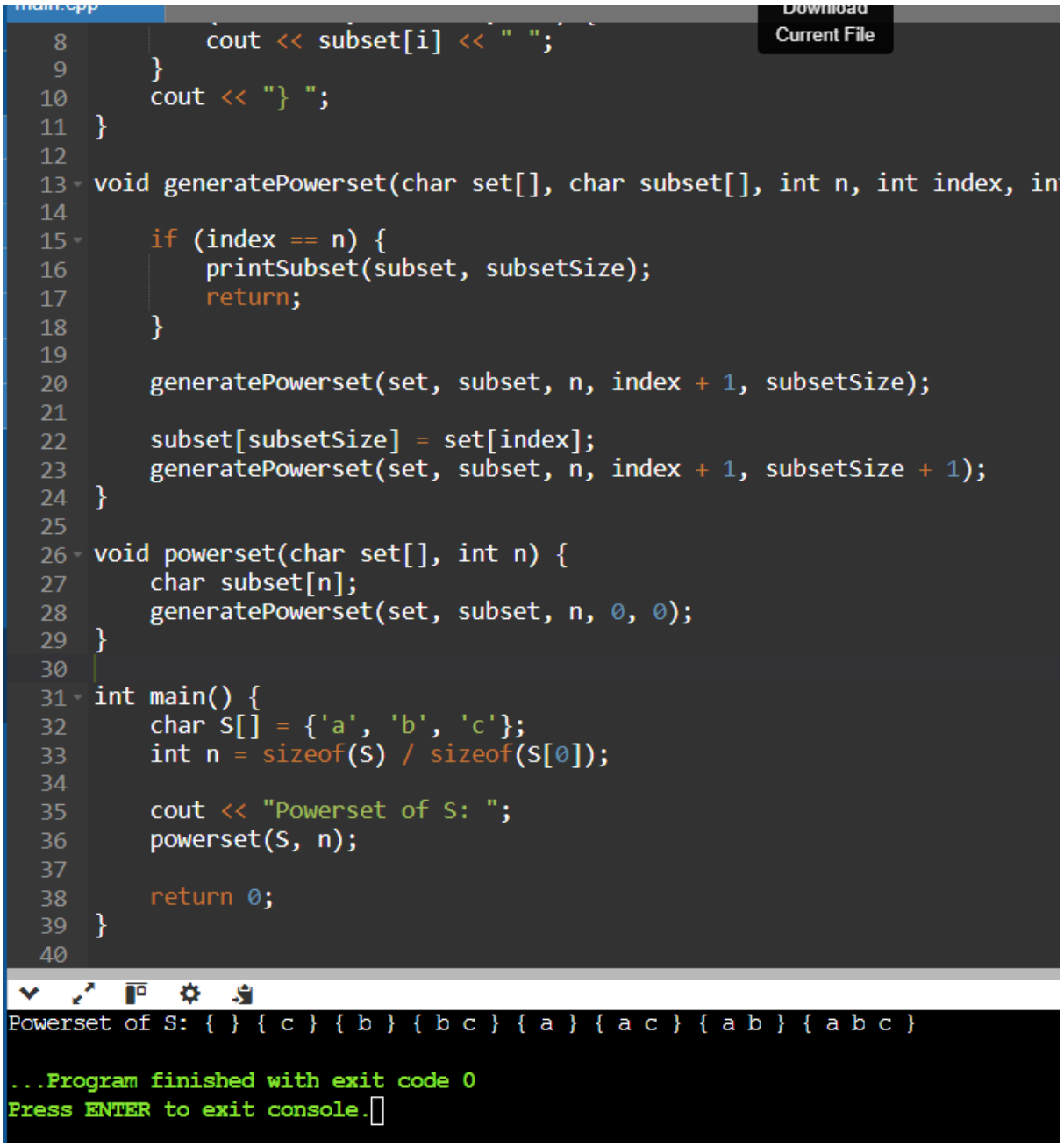
1. 解題說明:基本上就是照題目打
2. 效能分析:時間複雜度2的n次方。空間複雜度2的n次方記憶體容量
3. 測試與驗證
4. 申論及心得:題目相對簡單




Download
Current File
cout << subset[i] << " ";
}
cout << "} ";
}
void generatePowerset(char set[], char subset[], int n, int index, in
if (index == n) {
printSubset(subset, subsetSize);
return;
}
generatePowerset(set, subset, n, index + 1, subsetSize);
subset[subsetSize] = set[index];
generatePowerset(set, subset, n, index + 1, subsetSize + 1);
}
void powerset(char set[], int n) {
char subset[n];
generatePowerset(set, subset, n, 0, 0);
}
int main() {
char S[] = {'a', 'b', 'c'};
int n = sizeof(S) / sizeof(S[0]);
cout << "Powerset of S: ";
powerset(S, n);
return 0;
}
Powerset of S: { } { c } { b } { b c } { a } { a c } { a b } { a b c }
...Program finished with exit code 0
Press ENTER to exit console.