

Comprensione del codice: descrivere cosa fanno i seguenti programmi ed individuare eventuali errori spiegando il perchè.

Esercizio 1:

```
C/C++  
int main() {  
    int a, b,* p1,* p2;  
    a = 3;  
    b = 5;  
    p1 = &a;  
    p2 = &b;  
    cout << *p1 << *p2 << a << b << endl;  
    p1 = p2;  
    *p2 = 7;  
    a = 10;  
    cout << *p1 << *p2 << a << b << endl;  
    a = 8;  
    b = 12;  
    p1 = &a;  
    p2 = &a;  
    *p1 = 4;  
    *p2 = 24;  
    cout << *p1 << *p2 << a << b;  
}
```

Esercizio 2:

```
C/C++  
#include<iostream>  
using namespace std;  
  
int main() {  
    char* pc, c;  
    pc = &c;  
    for (c = 'A'; c <= 'Z'; c++)  
        cout << *pc << " ";  
    return 0;  
}
```

Esercizio 3:

C/C++

```
#include<iostream>
using namespace std;

int main() {
    int ival = 1024, ival2 = 2048;
    int* pi1 = &ival,* pi2 = &ival2,** pi3 = 0;

    ival = *pi3;

    *pi2 = *pi3;

    ival = pi2;

    pi2 = *pi1;

    pi1 = *pi3;

    ival = *pi1;
    cout << ival << *pi1 << endl;
    pi1 = ival;

    pi3 = &pi2;
    cout << **pi3 << endl;
    return 0;
}
```

Esercizio 4:

```
C/C++  
#include<iostream>  
using namespace std;  
  
int main() {  
    int ival = 1.01;  
  
    int &rval1=1.01;  
  
    int& rval2 = ival;  
  
    int & rval3=&ival;  
  
    int pi=&ival;  
  
    int & rval4=pi;  
  
  
    const int& ival2 = 1;  
    return 0;  
}
```

Esercizio 5:

```
C/C++  
int main() {  
    int x = 2, y = 3;  
    int& a = x;  
    cout << a << endl;  
    cout << &a << " " << &x << " " << &y << endl;  
    a = y;  
    cout << a << x << y << endl;  
    a = 7;  
    cout << a << x << y << endl;  
    cout << &a << " " << &x << " " << &y << endl;  
    return 0;  
}
```

Esercizio 6:

C/C++

```
#include<iostream>
using namespace std;

int main() {
    int a[9] = {0, 1, 2, 3, 4, 5, 6, 7, 8};
    int* pinizio = a;
    int* pfine = a + 9;

    while (pinizio != pfine) {
        cout << *pinizio;
        ++pinizio;
    }
    return 0;
}
```