

Nome, cognome, matricola: _____

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Scrivere l'output del codice nel campo indicato:

<pre>#include <iostream.h> // ESERCIZIO 1 class A { public: static int k; A(int k=7) {k++ ; cout<<k;} ~A() {cout<<k ;} }; int A::k=0; int main() { int k=5; A *a =new A[3]; } //OUTPUT: _____</pre>	<pre>#include <iostream.h> // ESERCIZIO 2 void h(int x) {x=x*2;} void g(int * px) {*px=*px*2; h(*px);} void f(int & x) {x=x*2; g(&x);} int main() { int x=16; f(x); cout<<x; return 0; } //OUTPUT: _____</pre>
<pre>#include <iostream.h> // ESERCIZIO 3 class A { public: int x; }; class A1 : virtual public A { public: void setX(int k) {x=k;} }; class A2: virtual public A { public: void setX(int k) {x=k;} }; class A3: public A1, public A2 {}; int main() { A3 * a3=new A3(); a3->A1::setX(3); //OUTPUT: _____ a3->A2::setX(5); cout<<a3->x<<a3->A2::x<<a3->A1::x; return 0; }</pre>	<pre>#include <iostream.h> // ESERCIZIO 4 class A { public: static int a; A() {a++;}; void f() { static int a; if (this->a==1) a=3; else a=a*3; cout<<a; }; }; int A::a=0; int main() { A a; a.f(); A *c=new A(); c->f(); cout<<A::a; } //OUTPUT: _____</pre>

Continua sul retro =>

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Scrivere l'output del codice nel campo indicato:

```
#include <iostream.h>          // ESERCIZIO 5
class A {
public:
    A() {cout<<"A";}
    virtual void f(){cout<<"1";}
    ~A(){cout<<"5";}
};
class B:public A {
public:
    B(){cout<<"2";}
    void f(){cout<<"3";}
    ~B(){cout<<"4";}
};
int main() {          //OUTPUT: _____
    B b;
    b.f();
    return 0;
}
```

```
#include <iostream.h>          // ESERCIZIO 7
class A {
public:
    A() { cout << "9"; }
    A(A &from) { cout << "8"; }
    A& operator=(A &a) {cout << "7"; return a; }
    ~A() { cout << "6"; }
};
int main() {
    A s=(new A);
    A * w;
    *w=s;
    return 0;          //OUTPUT: _____
}
```

```
class EA {                // ESERCIZIO 6
    EA() { System.out.print("9");}
    void f(){ System.out.print("5");}
    public void finalize() { System.out.print("F"); }
};
class EB extends EA {
    EB(){System.out.print("2");}
    void f(){System.out.print("S");}
    public void finalize() { System.out.print("W"); }
};
class Esame{
    public static void main(String a[]) {
        EA b=new EB();
        b.f();
        b=null;
        System.gc(); //OUTPUT: _____
    }
}
```

```
#include <iostream.h>          // ESERCIZIO 8
class A { public:
    A() {cout<<"A";}
    virtual void f(){cout<<"1";}
    ~A(){cout<<"5";}
};
class B:public A { public:
    B(){cout<<"2";}
    void f(){cout<<"3";}
    ~B(){cout<<"4";}
};
int main() {
    A * b=new B();
    b->f();
    delete b;
    return 0;          //OUTPUT: _____
}
```

Continua sul retro =>