**Find the output for the following programs**

1.#include<iostream>

using namespace std;

main()

{

int i=10;

int &r=i;

r++;

int \*p=&i;

p++;

cout << ”i=”<< i <<”r=”<< r << endl;

}

2.#include<iostream>

using namespace std;

int i=20;

main()

{

int i=5;

cout<<i<<::i<<endl;

{

int i=10;

cout<<i<<::i<<endl;

}

}

3.#include<iostream>

using namespace std;

class abc

{

int x,y;

public:

void set\_data(int a,int b)

{

x=a,y=b;

}

};

main()

{

set\_data(10,20);

}

4.#include<iostream>

using namespace std;

class ab

{

int x,y;

public:

void set\_data(int a,int b)

{

x=a,y=b;

}

};

main()

{  
 ab n;

n.set\_data(10,20,30);

}

5.#include<iostream>

using namespace std;

class def

{

int x,y;

public:

void set\_data(int a,int b)

{

x=a,y=b;

}

};

main()

{

def \*n;

n.set\_data(10,20);

}

6.#include<iostream>

using namespace std;

class A

{

int x,y;

public:

void set\_data(int a,int b)

{

x=a,y=b;

}

};

main()

{

A n;

n.a(10,20);

}

7.#include<iostream>

using namespace std;

class Test

{

static int count;

public:

static void get\_data()

{

count++;

}

};

int Test::count=1;

main()

{

Test t;

t.get\_data();

}

8.#include<iostream>

using namespace std;

class sample

{

public:

void set\_data(char c)

{

ch=c;

}

void get\_data()

{

cout<<a<<ch<<endl;

}

private:

int a;

char ch;

};

main()

{ sample s;

s.set\_data('A');

s.get\_data();

}

9.#include<iostream>

using namespace std;

class sample

{

public:

void set\_data(char c);

void get\_data();

private:

int a=10;

char ch;

};

void sample::set\_data(char c)

{

ch=c;

}

void sample::get\_data()

{

cout<<a<<ch<<endl;

}

main()

{

sample s;

s.set\_data('A');

s.get\_data();

}

10.#include<iostream>

using namespace std;

class Test

{

private:

static int count;

public:

static void get\_data()

{

count++;

}

};

main()

{

Test t;

t.get\_data();

}

11.#include<iostream>

using namespace std;

int main()

{

int x = 5;

if(x==5)

{

if(x==5) break;

cout<<"Hello";

}

cout<<"Hi";

}

12.#include<iostream>

using namespace std;

int main()

{

class student {

int rno =10;

} v;

cout<<v.rno;  
 }

13.#include <iostream>

using namespace std;

namespace first

{

int var = 5;

}

namespace second

{

double var = 3.1416;

}

int main ()

{

int a;

a = first::var + second::var;

cout << a;

}

14.#include <iostream>

using namespace std;

int main()

{

const int i = 20;

const int\* const ptr = &i;

(\*ptr)++;

int j = 15;

ptr = &j;

cout << i;

}

15.#include <iostream>

using namespace std;

int main()

{

int arr[] = { 4, 5, 6, 7 };

int\* p = (arr + 1);

cout << \*arr + 10;

}

16.#include <iostream>

using namespace std;

int main()

{

int a = 10, \*pa, &ra;

pa = &a;

ra = a;

cout << "a=" << ra;

return 0;

}

17.#include<cstdio>

int main()

{

int a = 35;

int b = 12;

printf("%d ", ~a);

printf("%d ", ~ - b);

}

18.#include <iostream>

using namespace std;

int main()

{

char ch=’A’;

void \*ptr1=&ch;

char \*ptr2;

ptr2 = ptr1;

cout << ptr2 << “ “ << ptr1 << endl;

}

19.#include <iostream>

using namespace std;

int main()

{

int i;

i = 1 + (1,4,5,6,3);

cout << i;

}

20#include<iostream>

using namespace std;

class ab

{

int x,y;

public:

void set\_data(int x, int y)

{

x=x,y=y;

}

};

main()

{  
 ab n;

n.set\_data(10,20);

}

21.#include <iostream>

using namespace std;

int main()

{

int a = b = c = 0;

cout << a << " " << b << " " << c;

}