// 実行結果は

// 3RD

// 1ST

// 1ST

// 語群の番号を選んで穴埋めします

#include <iostream>

#include <string.h>

using namespace std;

#define MAXLIST 150

#define MAXNAME 4

class cStudent

{

public:

|  |
| --- |
| cStudent(){strcpy(year, "1ST");} // 問題1 |

void print(){cout << year << endl;}

private:

char year[MAXNAME + 1];

protected:

|  |
| --- |
| cStudent(char\* \_name){strcpy(year, \_name);} // 問題2 |

};

class cStudent3RD:public cStudent

{

public:

|  |
| --- |
| cStudent3RD():cStudent("3RD"){} // 問題3 |

};

class cList

{

private:

cStudent\* data[MAXLIST];

int size;

public:

cList():size(0){}

virtual ~cList()

{

for(int i = 0; i < size; i++)

{

|  |
| --- |
| delete data[i]; // 問題4 |

}

}

void push(cStudent\* \_data)

{

data[size++] = \_data;

}

void print()

{

for(int i = 0; i < size; i++)

{

|  |
| --- |
| data[i]->print(); // 問題5 |

}

}

};

int main()

{

cList\* pList = new cList();

|  |
| --- |
| pList->push(new cStudent3RD()); // 問題6 |

pList->push(new cStudent());

|  |
| --- |
| pList->push(new cStudent()); // 問題7 |
| pList->print(); // 問題8 |
| delete pList; // 問題9 |

cin.get(); //結果テスト用試験にはない

return 0;

}