شایان گلمحمدی – تهران مرکز – ورودی 99 – یکشنبه ساعت 7:30 تمرینات فصل array و string :

تمرین ها :

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{2,7,6,11,10}

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{5,6,9,19,23}

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```
#include <iostream>
                                                 9
                                                                   49
                                   0
                                            4
                                                     16
                                                          25
                                                               36
                                                                        64
                                                                             81
                                      121 144
#include <iomanip>
                                  100
                                               169
                                                    196
                                                         225
                                                             256
                                                                  289
                                                                       324
                                                                            361
                                  400 441 484
                                                529
                                                    576
                                                              78
                                                                        84
                                                                            87
using namespace std;
                                                    102
                                  90
                                      93
                                           96
                                                99
                                                         105
                                                                  111 114
                                                                            117
                                                             108
int main(){
                                  120 123
                                                        135 138 141 144
                                           126
                                               129
                                                    132
                                                                            147
  cout<<endl;
                                 Press any key to continue . . .
  int list[50];
  for (int i=0;i<50;i++){
    if (i<25){
     list[i]=i*i;
    } else {list[i]=i*3;}
  int j=0;
  for (int i=0;i<50;i++){
   if (j==10){
     cout <<endl;</pre>
     j=1;
    } else {j++;}
    cout<<setw(4)<<li>ij<<" ";</pre>
  cout<<endl;
```

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```
### Sincludes (Commary)
### Si
```

```
#include <iostream>
                                                         input : 9 6 3 3 6 9
2 #include <iomanip>
                                                         YES
   using namespace std;
   int main()
                                                        Press any key to continue . . .
     cout<<endl;
     int a[6];
     cout<<"input : ";</pre>
     for (int i=0;i<6;i++){
       cin>>a[i];
     for (int i=0;i<6;i++){
       if (a[i]!=a[5-i]){
     cout<<endl;
     if (x==false){
      cout<<"NO";
     } else {cout<<"YES";}</pre>
     cout<<endl;
```

```
#include <iostream>
                              notice that matrix column should be equal to matrix row !
                              row : 3
#include <iomanip>
                              column : 3
using namespace std;
                              Input matrix:
int main()
                              123
                              2 0 4
  cout<<endl;
                              3 4 5
  int ar=0,ac=1;
                              YES
  bool x=true;
  while (ac!=ar){
    cout<<"notice that matrix column should be equal to matrix row !"<<endl;</pre>
    cout<<"row : ";
    cin>>ar;
    cout<<"column : ";</pre>
  int a[ar][ac];
  cout<<endl<<"Input matrix:"<<endl<<endl;</pre>
  for (int i=0;i<ar;i++){
    for (int j=0; j < ac; j++){
      cin \gg a[i][j];
  for (int i=0;i<ar;i++){
    for (int j=0; j < ac; j++){
      if (a[i][j] != a[j][i]){x=false;}
  if (x==true){
    cout<<endl<<"YES"<<endl;</pre>
  } else {cout<<endl<<"N0"<<endl;}</pre>
```

```
Going to the Amusement Park

14

10

musem

ABCDEFGHIJK

11

aBdDEFGHIJK
```

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```
#include <istream>
#include <istring>
using namespace std;
int main()

{
cout<<end1;
string a,b;
int n;
cout<<"Input the text :"<<end1;
getline(cin,a);
n=a.length();
cout<<br/>
if (a[s]=-'a'||a[i]=-'e'||a[i]=-'o'||a[i]=-'u'||a[i]=-'A'||a[i]=-'E'||a[i]=-'I'||a[i]=-'U'){
    if (i==0){
        a=a.substr(1,n-1);
        i--;
    } else if (i!=0) {
        a=a.substr(0,i)+a.substr(i+1,n);
        i--;
    }
}
n=a.length();
}
cout<<end1;
return 0;
}</pre>
```