Computer Programming (CS1123) – (Section 2)

```
void main(){
double   arr[3][2] = {{4.2,9.1},{1.5,0.7},{1.2,0.1}};
        for(int i=0; i<2; i++)
                for(int j=2; j>=0; j--)
                    cout<<arr[j][j]<<",";
}
```

```
void main(){
double   arr[3][2] = {{4.2,9.1},{1.5,0.7},{1.2,0.1}};
        for(int i=0; i<2; i++)
                for(int j=0; j<2; j++)
                    cout<<arr[i][i]<<",";
}
```

```
void main(){
     int ara[4][4];
      for(int i=0; i<4; i++)
          for(int j=0; j<4; j++)
              ara[i][j] = (i+1)*(j+1);

    for(int s=0; s<4; s++)
        cout<<ara[s][s]<<",";
        cout<<endl;
    for(int t=0; t<4; t++)
        cout<<ara[t][t]<<",";
}
```

```
void main(){
    int ara[3][3];
    for(int i=0; i<3; i++)
        for(int j=0; j<3; j++)
            ara[i][j] = (i+i)*(j+j);
     for(int s=0; s<3; s++)
            cout<<ara[s][0]<<",";
            cout<<endl;
     for(int t=0; t<3; t++)
             cout<<ara[0][t]<<",";
}
```

```
void main()
  {
int   arr[3][2] = {{10, 20},{30, 40},{50, 60}};
    for(int i=0; i<2; i++)
          for(int j=1; j<2; j++)
              {
              cout<<arr[j][0]<<endl;
              cout<<arr[0][j]<<endl;
              cout<<arr[j][j]<<endl;
              }
}
```

```
void main()
  {
  int   arr[3][2] = {{10, 20},{30, 40},{50, 60}};
    for(int i=0; i<3; i++)
        for(int j=1; j<2; j++)
          {
            cout<<arr[j][0]<<endl;
            cout<<arr[0][j]<<endl;
            cout<<arr[i][j]<<endl;
          }
}
```

Q: write a program to calculate the average of the third column in a 2-D matrix of size 3 x 3. Declare and initialize by yourself. Sample matrix is given below.

10	20	30
50	10	40
70	80	19

Q: Write a program to print only negative values stored in a 2-D array of size 50 x 50. Declare and initialize by yourself.