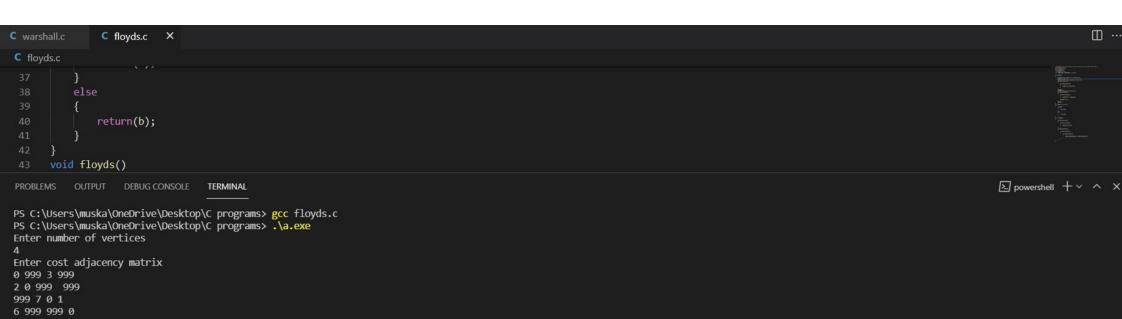
```
C floyds.c X
                                                                                                                                                                                  □ ...
C floyds.c
     #include<stdio.h>
     #include<conio.h>
 4 void floyds();
     int min(int,int);
     int c[10][10], d[10][10], i,j,k,n;
     void main()
         printf("Enter number of vertices\n");
         scanf("%d",&n);
         printf("Enter cost adjacency matrix\n");
         for(i=1;i<=n;i++)
             for(j=1;j<=n;j++)
                 scanf("%d",&c[i][j]);
         floyds();
         printf("\nDistance Matrix\n");
         for(i=1;i<=n;i++)
             for(j=1;j<=n;j++)
                 printf("%d ",d[i][j]);
             printf("\n");
         getch();
     int min(int a,int b)
         if(a<b)
             return(a);
```

```
C floyds.c X
C floyds.c
             return(b);
     void floyds()
          for(i=1;i<=n;i++)
             for(j=1;j<=n;j++)
                 d[i][j]=c[i][j];
          for(k=1;k<=n;k++)
              for(i=1;i<=n;i++)
                 for(j=1;j<=n;j++)
                     d[i][j]=min(d[i][j], d[i][k]+d[k][j]);
```



Distance Matrix 0 10 3 4 2 0 5 6 7 7 0 1 6 16 9 0

PS C:\Users\muska\OneDrive\Desktop\C programs>