

Q1:

clear

clc

k=input('Enter k here: ');

n=input('Enter n here: ');

i=k;

j=1;

while and(i>=k,i<=n)

A(1,j)=i;

i=i+1;

j=j+1;

end

A

Q2:

clear

clc

A=[1,2;3,4];

B=[2,3;4,5];

C=[3,4;5,6];

D(1,1)=(A(1)+A(2)+A(3)+A(4))/4;

D(2,1)=(B(1)+B(2)+B(3)+B(4))/4;

D(3,1)=(C(1)+C(2)+C(3)+C(4))/4;

a=xlswrite('book.xlsx',A,1,'A1')

b=xlswrite('book.xlsx',B,2,'A1')

c=xlswrite('book.xlsx',C,3,'A1')

d=xlswrite('book.xlsx',D,4,'E1')

Q3:

```
clear
```

```
clc
```

```
A=[1;5;9;6;3;2];
```

```
a=xlswrite("book1.xlsx",A,1,"A1")
```

```
a_sorted=sort(A);
```

```
B={"not sort",
```

```
"sort";A(1,1),a_sorted(1,1);A(2,1),a_sorted(2,1);A(3,1),a_sorted(3,1);A(4,1),a_sorted(4,1);A(5,1),a_so  
rted(5,1);A(6,1),a_sorted(6,1)};
```

```
b=xlswrite("book1.xlsx",B,2,"A1")
```

Q4:

```
clear
```

```
clc
```

```
A=[1,3,7;4,2,3;7,8,2];
```

```
B=[4,9,2;2,3,6;3,2,5];
```

```
a=xlswrite("book2.xlsx",A,1,"A1")
```

```
b=xlswrite("book2.xlsx",B,1,"A8")
```

```
for i=1:3
```

```
    for j=1:3
```

```
        if A(i,j)<=B(i,j)
```

```
            C(i,j)=A(i,j);
```

```
        else
```

```
            C(i,j)=B(i,j);
```

```
        endif
```

```
    endfor
```

```
end
```

```
c=xlswrite("book2.xlsx",C,1,"F4")
```

Q5:

```
clear
clc
n=input('Enter your number here: ');
sum=0;
while sum>=0
    if n<=0
        break
    end
    sum=sum+mod(n,10)
    n=fix(n/10)
end
sum
```

Q6:

```
clear
clc
n=input('Enter your number here: ');
greater=0;
while n>0
    if mod(n,10)>greater
        greater=mod(n,10);
        n=fix(n/10);
    else
        n=fix(n/10);
    endif
end
greater
```

Q7:

```
clear
```

```
clc
n=input('Enter your number here: ');
i=1;
while n>0
    A(1,i)=mod(n,10);
    i=i+1;
    n=fix(n/10);
end
result=0;
k=i-1;
for j=1:(i-1)
    result=result+(A(1,j)*(10^(k-1)));
    k=k-1;
end
result
```