**TUTORIAL 7 SOLUTIONS**

**Question 1**

#include <stdio.h>

#include <string.h>

int main()

{

char N1[20],N2[20],N3[20];

char A1[20],A2[20],A3[20];

printf("Enter name:");

scanf("%s",N1);

printf("Enter name:");

scanf("%s",N2);

printf("Enter name:");

scanf("%s",N3);

if(strcmp(N1,N2)<0 && strcmp(N1,N3)<0)

{

strcpy(A1,N1);

if(strcmp(N3,N2)>0)

{

strcpy(A2,N2);

strcpy(A3,N3);

}

else

{

strcpy(A2,N3);

strcpy(A3,N2);

}

}

else if(strcmp(N2,N1)<0 && strcmp(N2,N3)<0)

{

strcpy(A1,N2);

if(strcmp(N3,N1)>0)

{

strcpy(A2,N1);

strcpy(A3,N3);

}

else

{

strcpy(A2,N3);

strcpy(A3,N1);

}

}

else if(strcmp(N3,N1)<0 && strcmp(N3,N2)<0)

{

strcpy(A1,N3);

if(strcmp(N2,N1)>0)

{

strcpy(A2,N1);

strcpy(A3,N2);

}

else

{

strcpy(A2,N2);

strcpy(A3,N1);

}

}

printf("%s %s %s",A1,A2,A3);

return 0;

}

**Question 2**

#include <stdio.h>

#include <ctype.h>

int main()

{

char str[50];

int n=0,Cap=0;

printf("Enter word:");

scanf("%s",str);

while(str[n]!='\0')

{

if(isupper(str[n]))

{

Cap=1;

break;

}

n=n+1;

}

if(Cap==1)

{

printf("Word have capital\n");

}

else

{

printf("All small case");

}

return 0;

}

**Question 3**

#include <stdio.h>

#include <ctype.h>

int main()

{

char str[10];

char CAP[10];

int n=0;

printf("Enter word:");

scanf("%s",str);

while(str[n]!='\0')

{

CAP[n]=toupper(str[n]);

n++;

}

CAP[n]='\0';

printf("%s",CAP);

return 0;

}

**Question 4**

#include <stdio.h>

#include <string.h>

int main()

{

char date[10];

char M[10],D[10],Y[10];

printf("Enter date in MM/DD/YYYY format: ");

scanf("%s",date);

if(date[0]=='0')

{

if(date[1]=='1')

{

strcpy(M,"January");

}

else if(date[1]=='2')

{

strcpy(M,"February");

}

else if(date[1]=='3')

{

strcpy(M,"March");

}

else if(date[1]=='4')

{

strcpy(M,"April");

}

else if(date[1]=='5')

{

strcpy(M,"May");

}

else if(date[1]=='6')

{

strcpy(M,"June");

}

else if(date[1]=='7')

{

strcpy(M,"July");

}

else if(date[1]=='8')

{

strcpy(M,"August");

}

else if(date[1]=='9')

{

strcpy(M,"September");

}

}

else

{

if(date[1]=='0')

{

strcpy(M,"October");

}

else if(date[1]=='1')

{

strcpy(M,"November");

}

else if(date[1]=='2')

{

strcpy(M,"December");

}

}

D[0]=date[3];

D[1]=date[4];

D[2]='\0';

Y[0]=date[6];

Y[1]=date[7];

Y[2]=date[8];

Y[3]=date[9];

Y[4]='\0';

printf("%s %s, %s",M,D,Y);

return 0;

}