File Management System er 10 ta problem er solution:

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1. Write a program that writes 1 to 10 in a file.

Coding:

# include<stdio.h>

#include<conio.h>

void main()

{

int i;

FILE \*fp;

fp=fopen("program1.txt","w");

for(i=1;i<=10;i++)

{

printf("%4d",i);

fprintf(fp,"%4d",i);

}

return 0;

}

2. Write a program that write the following pyramid in file .

1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

Coding:

#include<stdio.h>

#include<conio.h>

void main()

{

int i,j;

FILE \*x;

x=fopen("program2.txt","w");

for(i=1;i<=5;i++)

{

for(j=1;j<=i;j++)

{

fprintf(x,"%4d",i);

printf("%4d",i);

}

fprintf(x,"\n");

printf("\n");

}

return 0;

}

3. Write a program that read an array and write in a file.

Coding:

#include<stdio.h>

#include<conio.h>

void main()

{

int i,n,a[100];

FILE \*fp;

fp=fopen("program3.txt","w");

printf("How many number: ");

scanf("%d",&n);

for(i=0;i<n;i++)

scanf("%d",&a[i]);

for(i=0;i<n;i++)

fprintf(fp,"%4d",a[i]);

return 0;

}

4. Write a program that read n numbers from a file and display in output screen.

Coding:

#include<stdio.h>

#include<conio.h>

void main()

{

int i,n,a[100];

FILE \*fp;

fp=fopen("program4.txt","r");

printf("How many number: ");

scanf("%d",&n);

for(i=0;i<n;i++)

fscanf(fp,"%d",&a[i]);

for(i=0;i<n;i++)

printf("%4d",a[i]);

getch();

}

5. Write a program that read every character from a file and display in upper case.

Coding:

#include<stdio.h>

#include<conio.h>

void main()

{

char a;

FILE \*fp;

fp=fopen("program5.txt","r");

while(fscanf(fp,"%c",&a)!=EOF)

{

if(a>='a' && a<='z')

{

printf("%c",a-32);

}

else

{

printf("%c",a);

}

}

getch();

}

6. Write a program that read every character from a file and display in lower case.

Coding:

#include<stdio.h>

#include<conio.h>

void main()

{

char a;

FILE \*fp;

fp=fopen("program5.txt","r");

while(fscanf(fp,"%c",&a)!=EOF)

{

if(a>='A' && a<='Z')

{

printf("%c",a+32);

}

else

{

printf("%c",a);

}

}

getch();

}

7. Wirte a program that count number of lower case ,upper case,digit,space,line and other character in a file.

Coding:

#include<stdio.h>

#include<conio.h>

void main()

{

char ch;

int lower=0,upper=0,digit=0,space=

0,other=0,line=1;

FILE \*fp;

fp=fopen("program5.txt","r");

while(fscanf(fp,"%c",&ch)!=EOF)

{

if(ch>='a' && ch<='z')

lower++;

else if(ch>='A' && ch<='Z')

upper++;

else if(ch>='0' && ch<='9')

digit++;

else if(ch=='\n')

line++;

else if(ch==' ')

space++;

else

other++;

}

printf("Lower=%d\n",lower);

printf("Upper=%d\n",upper);

printf("Digit=%d\n",digit);

printf("Space=%d\n",space);

printf("Line=%d\n",line);

printf("Other=%d\n",other);

getch();

}

8. Write a program that read first n numbers in a file and display in another file.

Coding:

#include<stdio.h>

#include<conio.h>

void main()

{

int i,n,a[100];

FILE \*fp,\*fo;

fp=fopen("program3.txt","r");

fo=fopen("output.txt","w");

printf("How many number: ");

scanf("%d",&n);

for(i=0;i<n;i++)

fscanf(fp,"%d",&a[i]);

for(i=0;i<n;i++)

fprintf(fo,"%4d",a[i]);

getchar();

}

9. Write a program that read an array until EOF(end of file).

Coding:

#include<stdio.h>

#include<conio.h>

void main()

{

int a;

FILE \*fp;

fp=fopen("program2.txt","r");

while(fscanf(fp,"%d",&a)!=EOF);

printf("%4d",a);

getch();

}

10. Write a program that read every character from a file and display in output screen.

Coding:

#include<stdio.h>

#include<conio.h>

void main()

{

char a;

FILE \*fp;

fp=fopen("program5.txt","r");

while(fscanf(fp,"%c",&a)!=EOF)

printf("%c",a);

getch();

}