Prog-1:-

Write a "C" Program to check the number is palindrome or not using UDF.

```
#include<stdio.h>
#include<conio.h>
void palindrome(int);
void palindrome(int no)
{
	int rev=0,rem,temp;
	temp=no;
	while(no>0)
	{
		rem=no%10;
		rev=rev*10+rem;
		no=no/10;
	}
		if(rev==temp)
	{
		printf("No is palindrome");
	}
		else
	{
		printf("No is not palindrome");
	}
}
		void main()
	{
		int no;
		clrscr();
		printf("enter no");
		scanf("%d",&no);
		palindrome(no);
		getch();
	}
```

Output:-

Enter no 121

no is palindrome

Prog-2:-

Write a "C" Program to find factorial of given no using UDF.

```
#include<stdio.h>
#include<conio.h>
void fact(void);
void main()
{
	fact();
	getch();
}
	void fact(void)
	{
		int no,i,fact=1;
		clrscr();
		printf("Enter the no");
		scanf("%d",&no);

		for(i=1;i<=n;i++)
	{
		fact=fact*i;
	}
		printf("factorial of %d %d",n,fact);
		getch();
}
```

Output:-

Enter no 5

120

Prog-3:-

Write a "C" Program to find Factorial of given no using Recursion.

```
#include<stdio.h>
#include<conio.h>
int factorial(int no)
    {
        int fact;
        if(no==1)
        return(1);
        else
        fact=no*factorial(no-1)
        return(fact);
    }
        void main()
    {
        int no,f;
        clrscr();
        printf("\n enter no");
        scanf("%d",&no);
        f=factorial(no);
        printf("\n the fact is=%d",f);
        getch();
    }
```

Output:-

Enter no 5

the fact is 120

Prog-4:-

Write a "C" program to display first 25 terms of Fibonacci Series using Recursion.

```
#include<stdio.h>
#include<conio.h>
int fib(int)
main()
{
        int n,i=0;
        clrscr();
        printf("Fibonacci Series \n");
        scanf("%d",&n);
        for(i=0;i<=n;i++)
        {
                printf("%d\n",fib(i));
        }
                getch();
                return();
}
                int fib(int n)
        {
                if(n==0)
                return=0;
                else if(no==1)
                return 1;
                else
                return (fib(n-1)+fib(n-2))
        }
```

Output:-

How many fibonacci no rev : 70

1,2,3,5,8,13,21,34,25.

Prog-5:-

Write a "C" Program using a recursive function to find the GCD(Greatest Comman Divisor) of two positive integer no.

```
#include<stdio.h>
#include<conio.h>
int gcd(int,int);
int main()
{
	int i,k;
	clrscr();
	printf("Enter two no");
	scanf("%d%d",&l,&k);
	k=gcd(l,k);
	printf("gcd=%d",k);
	getch();
	return();
}
	int gcd(int l, int k)
	{
		int q,r,temp;
		if(k>l)
	{
		temp=l;
		l=k;
		k=temp;
	}
		while(k!=0)
	{
		q=l/k;
```

```
        r=l%k;
        if(r!=0)
    {
        l=k;
        k=r;
    }
        else
    {
        return k;
    }
}
        return 0;
}
```

Output :-

Enter a 25

Enter b 10

gcd=5

Prog-6:-

Write a "C" Program to swap value of two integer using UDF.

```
#include<stdio.h>
#include<conio.h>
void swap(int,int);
void swap(int a,int b)
{
	int temp;
	printf("a=%d\n b=%d",a,b);
	temp=a;
	a=b;
	b=temp;
	printf("\n a=%d \n b=%d",a,b);
}
	void main()
	{
		int a,b;
		clrscr();
		printf("enter value of a");
		scanf("%d",&a);
		printf("enter value of b");
		scanf("%d",&b);
		swap(a,b);
		getch();
	}
```

Output:-

enter value a 10

enter value b 5

a=10

b=5

a=5

b=10.

Prog-7:-

Write a Function Prime that return 1. If Its argument is Prime and return 0 Otherwise.

```
#include<stdio.h>
#include<conio.h>
int prime(void);
void main()
{
	int x;
	clrscr();
	x=prime();
	printf("%d",x);
	getch();
}
	int prime(void)
	{
		int x;
		printf("enter the no");
		scanf("%d",&no);
		if(x%2==0)
		return 0;
		else
		return (1);
	}
```

Output:-

Enter the no 3

1

Enter the no 0

o

Prog-8:-

Write a program that will print longest word written in line using UDF.

```
#include<stdio.h>
#include<conio.h>
void longestword(char []);
void longestword(char a[])
{
	int i,j=0,L=o;
	char b[20],c[20];
	for(i=0;i<strlen(a);i++)
	{
		if(a[i]!=32&&a[i]!='\o')
	{
		b[j++]=a[i];
	}
		else
	{
		b[j]='\o';
		if(L<strlen(b))
	{
		strcpy(c,b);
		L=strlen(b);
	}
		j=0;
	}
}
		printf("\n\n longest word is");
		puts();
}
		void main()
	{
```

```
        char a[50];
        clrscr();
        printf("Enter the string");
        getch(a);
        longestword(a);
        getch();
    }
```

Output:-

Enter String - hi how r u?

word 1: how

Prog-9:-

Write a proram that will scan character string passed an argument and convert all lowercase character into their uppercase using UDF.

```
#include<stdio.h>
#include<conio.h>
#include<ctype.h>
#include<string.h>
void main()
{
    char str[80];
    clrscr();
    void convert_upper(char s[80]);
    printf("enter a string");
    scanf("%[^\n]",str);
    convert_upper(str);
    printf("\n%s",str);
    getch();
}
    void convert_upper(char a[80])
    {
```

```
        int i;
        for(i=0;i<strlen(s);i++)
    {
        if (is lower(s[i]))
        s[i]=toupper(s[i]);
    }
}
```

Output:-

Enter String - grow more

GROW MORE.

Prog-10:-

Write a program uses UDF to sort an array of integer.

```
#include<stdio.h>
#include<conio.h>
void sortarray(int arr[],int no);
void sortarray(int arr[],int no);
{
    int i,j,temp;
    for(i=o;i<=no;i++)
    {
        for(i=o;i<=no;i++)
    {
        if(arr[j] j>arr[j+1])
    {
        temp=arr[j];
        arr[j]=arr[j+1];
        arr[j+1]=temp;
    }
```

```
        }
        }
                for(i=0;i<=no;i++)
        {
                printf("%d",arr[i]);
        }
}
                void main()
        {
                int i,no,arr[100];
                clrscr();
                printf("enter limit");
                scanf("%d",&no);
                for(i=o;i<=no;i++)
        {
                scanf("%d",arr[i]);
        }
                sortarray(arr,no);
                getch();
}
```

Output:-

Enter limit - 10

10

9

8

7

6

5

4

3

2

1

12345678910

Prog-11:-

Write a [rogram to search number within an array using UDF.

```
#include<stdio.h>
#include<conio.h>
int search(int);
int search(int arr[],int element)
{
	int i;
	for(i=o;i<=no;i++)
	{
		if(i=o;i<=10;i++)
	{
		if(element==arr[i])
	{
		return i;
	}
	}
		return 100;
	}
		void main()
	{
		int arr[10],element,index,i;
		clrscr();
		printf("\n\n Enter no to search\n");
		scanf("%d",&element);
		if(index!=100)
	{
		printf("the no %d is on index %d", element,index);
	}
		else
```

```
        {
                printf("no is not found");
        }
                getch();
}
```

Output:-

Enter no 2

Enter no 4

Enter no 6

Enter no 8

Enter no 3

Enter search no = 6

number find=6 & index position =2 & element=1.

Prog-12:-

Write a program which use nesting if functions.

```
#include<stdio.h>
#include<conio.h>
int sum(int a,int b);
int mul(int x,int y);
void main()
{
        int c;
        c=sum(10,5);
        printf("\n\n c is=>%d",c);
}
        int sum(int a, int b)
        {
                int p,q;
```

```
        clrscr();
        P=a+b;
        Q=mul(5,5);
        printf("\n\n Q is=%d",Q);
        return(P);
    }
        int mul(int x,int y)
    {
        int O;
        clrscr();
        O=x*y;
        return(0);
    }
```

Output:-

sum=30

mul=200

Prog-13:-

Write a function power taht computes x raised to the power y for integer x and y and return double-type value.

```
#include<stdio.h>
#include<conio.h>
int power(int x,int y);
int power(int x,int y)
{
    int pow=1;
    int i;
    for(i=1;i<=y;i++)
    {
        pow=x*row;
```

```
    }
        return(pow);
}
    void main()
    {
        int x,y;
        double powers;
        clrscr();
        printf("Enter base");
        scanf("%d",&x);
        printf("Enter Power");
        scanf("%d"&y);
        powers=power(x,y);
        printf("%d raised to % is %d",x,y);
        getch();
    }
```

Output:-

Enter base - 25

Entre Power - 2

the answer is 625

Prog-14:-

Write a structure type struct personal that would contain person name, date of joining and salary using this structure to read this information of 5 people and print the same on screen..

```
#include<stdio.h>
#include<conio.h>
struct personal
{
    char name[30];
```

```
        char j date[10];
        double salary;
    }
        p[5];
        void read()
        {
            int i;
            for(i=o;i<=5;i++)
        {
            printf("\n Enter detail of personal %d\n\n" i+1);
            printf("Enter the name");
            scanf("%s",&p[i].name);
            printf("Enter joining date");
            scanf("%s",&p[i].jdate);
            printf("Enter salary");
            scanf("%d",&p[i].salary);
        }
    }
            void print()
        {
            int i;
            for(i=0;i<=5;i++)
        {
            printf("\n\n Enter detail of person %d\n\n",i+1);
            printf("name");
            puts(p[i].name);
            printf("\n date of joining");
            puts(p[i].jdate);
            printf("\n salary");
        }
    }
            void main()
        {
```

```
        clrscr();
        read();
        print();
        getch();
    }
```

Output : -

Enter detail of person - 1
Enter Name - ABC
Enter joining date - 12/01/2013
Enter Salary - 5000

Enter detail of person - 2
Enter Name - XYZ
Enter joining date - 18/01/2013
Enter Salary - 50,000

Enter detail of person - 3
Enter Name - PQR
Enter joining date - 15/02/2013
Enter Salary - 4000

Enter detail of person - 4
Enter Name - STU
Enter joining date - 19/01/2013
Enter Salary - 5000

Enter detail of person - 5
Enter Name - DEF
Enter joining date - 12/01/2013
Enter Salary - 50,000

Prog:- 15

Design Structure Student Record to contain name,branch and total marks obtain and devlop a program to read data for 10 students in a class and print them.

```
#include<stdio.h>
#include<conio.h>
struct student
{
	char name[30];
	char branch[10];
	double total marks;
}
	s[10];
	void read()
	{
		int i;
		for(i=o;i<=10;i++)
	{
		printf("\n Enter detail of student %d\n\n" i+1);
		printf("Enter the name");
		scanf("%s",&s[i].name);
		printf("Enter branch");
		scanf("%s",&s[i].branch);
		printf("Enter total marks");
		scanf("%d",&s[i].total marks);
	}
}
		void print()
	{
		int i;
		for(i=0;i<=10;i++)
```

```
        {
                printf("\n\n Enter detail of student %d\n\n",i+1);
                printf("name");
                puts(s[i].name);
                printf("\n branch");
                puts(s[i].branch);
                printf("\n total marks");
        }
}
                void main()
        {
                clrscr();
                read();
                print();
                getch();
        }
```

Output :-

Enter detail of student - 1
Enter Name - ABC
Enter Branch -B.C.A.
Enter Total marks - 80

Enter detail of student - 2
Enter Name - XYZ
Enter Branch -M.C.A.
Enter Total marks - 76

Enter detail of student - 3
Enter Name - PQR
Enter Branch - B.A.
Enter Total marks - 80

Enter detail of student - 4

Enter Name - STU

Enter Branch -B.Com.

Enter Total marks - 50

Enter detail of student - 5

Enter Name - DEF

Enter Branch - B.B.A.

Enter Total marks - 80

Enter detail of student - 6

Enter Name - ABC

Enter Branch - Msc.IT.

Enter Total marks - 80

Enter detail of student -7

Enter Name - XYZ

Enter Branch - P.G.D.C.A.

Enter Total marks - 80

Enter detail of student - 8

Enter Name - PQR

Enter Branch - M.B.A.

Enter Total marks - 80

Enter detail of student - 9

Enter Name - STU

Enter Branch - Engineering

Enter Total marks - 80

Enter detail of student - 10

Enter Name - DEF

Enter Branch - B.D.S.

Enter Total marks - 60

Prog-16:-

Write a program using Structure Within Structure.

```
#include<stdio.h>
#include<conio.h>
void main()
{
        struct address
        {
           char phone [15];
           char city [15];
           int pin;
        };
        struct emp
        {
             char name [25];
             struct address a;
        };
              struct empe={"xyz","1234","himatnagar",10};
                clrscr();
                printf("name=%s phone=%s\n" e.name,e.a.name);
                printf("city=%s pincode=%d\n" e.a.city,e.a.pin);
                getch();
}
```

Output :-

Name : XYZ

Address : Himatnagar

Phone no : 1234

Pincode : 10

Prog :- 17

Define a structure called cricket that will Describe the Following information...

Player Name,Team name,Runs

Using cricket declare array player with 10 elements and write a program to read the information about all 10 players and print a term-wise list containing names of players with their runs.

```
#include<stdio.h>
#include<conio.h>
struct cricket
{
        char  player name[30];
        char  teamname[10];
        double runs;
}
        c[10];
        void read()
        {
                int i;
                for(i=o;i<=10;i++)
        {
                printf("\n Enter detail of cricket %d\n\n" i+1);
                printf("Enter the player name");
                scanf("%s",&c[i].pname);
                printf("Enter team name");
                scanf("%s",&c[i].tname);
                printf("Enter runs");
                scanf("%d",&c[i].runs);
        }
}
                void print()
```

```
        {
                int i;
                for(i=0;i<=10;i++)
        {
                printf("\n\n Enter detail of cricket %d\n\n",i+1);
                printf("player name");
                puts(c[i].pname);
                printf("\n team name");
                puts(s[i].tname);
                printf("\n runs");
        }
}
                void main()
        {
                clrscr();
                read();
                print();
                getch();
        }
```

Output :-

Enter detail of cricket

Enter player Name - ABC

Enter team name - India.

Enter runs - 80

Enter detail of cricket

Enter player Name - XYZ

Enter team name - India

Enter Total marks - 76

Enter detail of cricket

Enter player Name - PQR

Enter Team name - Australia

Enter Total marks - 80

Enter detail of cricket

Enter Player Name - STU

Enter team name - Australia

Enter Total marks - 50

Enter detail of cricket

Enter Player Name - STU

Enter team name -Sri lanka

Enter Total marks - 50

Enter detail of cricket

Enter Player Name - STU

Enter team name - England

Enter Total marks - 50

Enter detail of cricket

Enter Player Name - STU

Enter team name - Pakistan

Enter Total marks - 50

Enter detail of cricket

Enter Player Name - STU

Enter team name - Australia

Enter Total marks - 50

Prog-18 :-

In a program declare Following structure member,name,code,age,weight,height. Read all member for a structure of 10 person and find list of person that all related data whose weight>50 and height>40 and print the same with suitable format and title.

```
#include<stdio.h>
#include<conio.h>
#include<string.h>
struct person
{
	char pname[20];
	int age;
	int code;
	int weight;
	int height;
}per[10];

	void read()
	{
		int i;
		for(i=0;i<=10;i++)
	{
		printf("Enter the name");
		scanf("%s",per[i].pname);
		printf("Enter the age");
		scanf("%s",per[i].page);
		printf("Enter the code");
		scanf("%s",per[i].code);
		printf("Enter the weight");
```

```
            scanf("%s",per[i].weight);
            printf("Enter the height");
            scanf("%s",per[i].height);
        }
    }
            void print()
        {
            int i;
            printf("enter the detail of person %d \n\n",j++);
            printf("name\t age\t code\t weight\t height\t");
            for(j=0;j<=10;j++)
        {
            if(per[j].weight>50 && per[j].height>40)
            printf("\n\n enter detail of person %d\n\n",j);
            printf("name");
            puts(per[j].name);
            printf("age");
            puts("%d",per[j].age);
            printf("code");
            puts("%d",per[j].code);
            printf("weight");
            puts("%d",per[j].weight);
            printf("height");
            puts("%d",per[j].height);
            }
    }
            void main()
            {
                clrscr();
                read();
                printf();
                getch();
            }
```

Output :-

Enter Detail of Person - 1

Enter the name : XYZ

Enter the age : 18

Enter the code : 2345

Enter the weight : 50

Enter the height : 5.7

SAME AS UPTO 20

Prog -19 :-

Write a program to print the value and address of element.

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int i=10;
    clrscr();
    printf("address is=%u\n",&i);
    printf("value is=%d",i);
    getch();
}
```

Output :-

Address is :- 65524

Value is :- 10

Program 21

//21. Write a program to accept 10 numbers and sort them with use of pointer.

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a[10],i,j,*p,t;
clrscr();
for(i=0;i<10;i++)
{
printf("Enter Value=");
scanf("%d",&a[i]);
}
p=a;
for(i=0;i<10;i++)
{
for(j=i+1;j<10;j++)
{
if(*(p+i)>*(p+j))
{
t=*(p+i);
*(p+i)=*(p+j);
*(p+j)=t;
}
}
}
printf("\n\n sorted list=\n");
for(i=0;i<10;i++)
{
```

```
printf("%d\n",a[i]);
}
getch();
}
```

Output

Enter Value=1

Enter Value=2

Enter Value=5

Enter Value=10

Enter Value=25

Enter Value=3

Enter Value=7

Enter Value=8

Enter Value=9

Enter Value=13

sorted list=

1

2

3

5

7

8

9

10

13

25

Program 22

//22. Write a program to swap the two values using pointers and UDF.

```
#include<stdio.h>
#include<conio.h>
void swap(int *a,int *b);
void main()
{
int x,y;
clrscr();
printf("Enter value of x:");
scanf("%d",&x);
printf("Enter value of y:");
scanf("%d",&y);
swap(&x,&y);
printf("New x=%d\n",x);
printf("New y=%d\n",y);
}
void swap(int *a,int *b)
{
int t;
t=*a;
*a=*b;
*b=t;
}
```

Output

Enter value of x: 10

Enter value of y: 5

New x=5

New y=10

Program 23

//23. Write a program with structure and pointer.

```
#include<stdio.h>
#include<conio.h>
struct student
{
int no;
char name[20];
int per;
};
void main()
{
struct student st[3],*p;
clrscr();
for(p=st;p<st+3;p++)
{
printf("Enter Roll no, Name and Per\n");
scanf("%d%s%d",&p->no,p->name,&p->per);
}
printf("\n\n\n");
printf("Rollno    Name   Per\n");
for(p=st;p<st+3;p++)
{
printf("%d\t %s\t %d\n",p->no,p->name,p->per);
}
}
```

Output

Enter Roll no, Name and Per

1

Nikulsinh

70

Enter Roll no, Name and Per

2

Gavarav

80

Enter Roll no, Name and Per

3

Dhrupal

64

Rollno	Name	Per
1	Nikulsinh	70
2	Gavarav	80
3	Dhrupal	64

Program 24

//24. Write a program using pointer to determine the length of a character string.

```
#include<stdio.h>
#include<conio.h>
void main()
{
char *s;
int i=0;
clrscr();
printf("Enter String=");
scanf("%s",s);
while(*(s+i)!="\0")
{
i++;
```

```
}
printf("length of string=%d",i);
}
```

Program 25

//25. Write a program using pointers to read an array of integers and print its elements in reverse order.

```
#include<stdio.h>
#include<conio.h>
void main()
{
int a[5],i,*p;
clrscr();
for(i=0;i<5;i++)
{
printf("Enter Value=");
scanf("%d",&a[i]);
}
p=a;
printf("Reverse order\n");
for(i=4;i>=0;i--)
{
printf("%d\n",*(p+i));
}
}
```

Output

Enter Value=5

Enter Value=7

Enter Value=10

Enter Value=3

Enter Value=2

Reverse order

2

3

10

7

5

Program 27

// 27. Create one text file store some information into it and print the same information on Terminal.

```
#include<stdio.h>
#include<conio.h>
void main()
{
char s[100],t;
int i;
FILE *fp;
clrscr();
fp=fopen("my.txt","w");
printf("Enter your string=");
gets(s);
for(i=0;s[i]!='\0';i++)
{
putc(s[i],fp);
}
fclose(fp);
fp=fopen("my.txt","r");
while((t=getc(fp))!=EOF)
{
printf("%c",t);
}
```

```
fclose(fp);
getch();
}
```

Output
Enter your string=My Site newesteducation
My Site newesteducation

Program 28

// 28. A file named data contains series of integer no. Write a c program to read that no. and then Write all odd no into file named odd no. and write all even no into file named even no.Display all the contents of these file on screen.

```
#include<stdio.h>
#include<conio.h>
void main()
{
int i,num;
FILE *f1,*f2,*f3;
clrscr();
f1=fopen("data.txt","w");
for(i=0;i<10;i++)
{
printf("Enter Value=");
scanf("%d",&num);
if(num==-1)
break;
putw(num,f1);
}
fclose(f1);
f1=fopen("data.txt","r");
f2=fopen("odd.txt","w");
f3=fopen("even.txt","w");
```

```
while((num=getw(f1))!=EOF)
{
if(num%2==0)
{
putw(num,f3);
}
else
{
putw(num,f2);
}
}
fcloseall();
f2=fopen("odd.txt","r");
f3=fopen("even.txt","r");
printf("odd file data\n");
while((num=getw(f2))!=EOF)
{
printf("%d\n",num);
}
printf("Even file data\n");
while((num=getw(f3))!=EOF)
{
printf("%d\n",num);
}
fclose(f2);
fclose(f3);
getch();
}
```

Output:-
Enter Value=1
Enter Value=2
Enter Value=3
Enter Value=4

Enter Value=5
Enter Value=6
Enter Value=7
Enter Value=8
Enter Value=9
Enter Value=10
odd file data
1
3
5
7
9
Even file data
2
4
6
8
10

Program 29

// 29. Write a c program to read data from keyboard, write it to a file called input and Display data of input file on the screen.

```
#include<stdio.h>
#include<conio.h>
void main()
{
char s[100],t;
int i;
FILE *fp;
clrscr();
fp=fopen("input.txt","w");
printf("Enter your string=");
gets(s);
for(i=0;s[i]!='\0';i++)
{
putc(s[i],fp);
```

```
}
fclose(fp);
fp=fopen("input.txt","r");
while((t=getc(fp))!=EOF)
{
printf("%c",t);
}
fclose(fp);
getch();
}
```

Output
Enter your string=My Site Newesteducation
My Site Newesteducation

Program 30

// 30. Write a program that counts the number of characters and number of lines in a file.

```
#include<stdio.h>
#include<conio.h>
void main()
{
FILE *fp;
char t;
int c=0,l=0;
clrscr();
fp=fopen("my.txt","r");
while((t=getc(fp))!=EOF)
{
if(t!=' '&&t!='\n')
{
c++;
}
if(t=='\n')
```

```
{
l++;
}
}
fclose(fp);
printf("No of Character is %d\n",c);
printf("No of Line is %d\n",l);
getch();
}
```

Program 31

// 31. Write a c program to read mark data which contains roll no, name, sub1, sub2, sub3 file and Generate the annual examination results are tabulated as follows Result

---

Roll no Name Sub1 Sub2 Sub3 Total per% Class

```
#include<stdio.h>
#include<conio.h>
void main()
{
int i,rno[5],s1[5],s2[5],s3[5];
int frno[5],fs1[5],fs2[5],fs3[5],ft[5];
float fper[5];
char name[5][20];
char fname[5][20],fclass[5][15];
FILE *fp;
fp=fopen("student.txt","w");
clrscr();
for(i=0;i<5;i++)
```

```
{
printf("Enter Rollno Name S1 S2 S3");
scanf("%d%S%d%d%d",&rno[i],name[i],&s1[i],&s2[i],s3[i]);
fprintf(fp,"%d\t%s\t%d\t%d\t%d\n",rno[i],name[i],s1[i],s2[i],s3[i]);
}
fclose(fp);
fp=fopen("student.txt","r");
printf("Result\n");
printf("==========================================
======================\n");
printf("Rno Name S1 S2 S3 Total Per Class\n");
for(i=0;i<5;i++)
{
fscanf(fp,"%d\t%s\t%d\t%d\t%d",&frno[i],fname[i],&fs1[i],&fs2[i],&f
s3[i]);
ft[i]=fs1[i]+fs2[i]+fs3[i];
fper[i]=ft[i]/3.0;

if(fper[i]>70)
{
strcpy(fclass[i],"Distinction");
}
else if(fper[i]>=60)
{
strcpy(fclass[i],"First");
}
else if(fper[i]>=50)
{
strcpy(fclass[i],"Second");
}
else if(fper[i]>=35)
{
strcpy(fclass[i],"Pass");
```

```
}
else
{
strcpy(fclass[i],"*");
}
printf("%d\t%s\t%d\t%d\t%d\t%d\t%f\t%s\n",frno[i],fname[i],fs1[i],fs2[i],fs3[i],ft[i],fper[i],fclass[i]);
}
printf("================================================================\n");
fclose(fp);
getch();
```