P1.c

1 /\*write - write to a file descriptor

2 ssize\_t write(int fd, const void \*buf, size\_t count);

3 DESCRIPTION:write() writes up to count bytes from the buffer pointed buf to

4 the file referred to by the file descriptor fd.

5 on success number of bytes written into file is the return value

6 on failure -1 is the return value\*/

7 #include<stdio.h>

8 #include<fcntl.h>

9 main()

10 {

11 int fd;

12 char ch;

13 fd=open("temp",O\_WRONLY|O\_CREAT|O\_TRUNC,0644);

14 if(fd<0)

15 {

16 perror("open");

17 return;

18 }

19 printf("enter the character to write into file...\n");

20 scanf("%c",&ch);

21 write(fd,&ch,1); //write(fd,&ch,sizeof(char));

22 }

P2.c

1 #include<stdio.h>

2 #include<fcntl.h>

3 main()

4 {

5 int fd,ret;

6 char a[20];

7 fd=open("temp",O\_WRONLY|O\_CREAT|O\_TRUNC,0644);

8 if(fd<0)

9 {

10 perror("open");

11 return;

12 }

13 printf("enter the data to write into file...\n");

14 scanf("%s",a);

15 ret=write(fd,a,strlen(a));

16 if(ret==-1)

17 {

18 perror("write");

19 return;

20 }

21 printf("number of bytes written into file is:%d\n",ret);

22 }

P3.c

1 //output is redirection

2 #include<stdio.h>

3 #include<fcntl.h>

4 main()

5 {

6 int fd,ret;

7 close(1);

8 fd=open("temp",O\_WRONLY|O\_CREAT|O\_TRUNC,0644);

9 if(fd<0)

10 {

11 perror("open");

12 return;

13 }

14 printf("fd:%d\n",fd);

15 printf("hello\n");

16 }

P4.c

1 //output is redirection

2 #include<stdio.h>

3 #include<fcntl.h>

4 main()

5 {

6 int fd,i;

7 int a[5]={10,20,30,40,50};

8 close(1);

9 fd=open("temp",O\_WRONLY|O\_CREAT|O\_TRUNC,0644);

10 if(fd<0)

11 {

12 perror("open");

13 return;

14 }

15 for(i=0;i<5;i++)

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

17 }

P5.c

1 //input is redirection

2 #include<stdio.h>

3 #include<fcntl.h>

4 main()

5 {

6 int fd,i;

7 int b[5];

8 close(0);

9 fd=open("temp",O\_RDONLY);

10 if(fd<0)

11 {

12 perror("open");

13 return;

14 }

15 for(i=0;i<5;i++)

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

17 printf("after data reading from file...\n");

18 for(i=0;i<5;i++)

19 printf("%d ",b[i]);

20 }

P6.c

1 #include<stdio.h>

2 #include<fcntl.h>

3 main()

4 {

5 int fd,ret,ch;

6 fd=open("temp",O\_RDONLY);

7 if(fd<0)

8 {

9 perror("open");

10 return;

11 }

12 ret=lseek(fd,5,SEEK\_SET);

13 printf("ret:%d\n",ret);

14 read(fd,&ch,1);

15 printf("ch=%c\n",ch);

16 }