MEDICAL STORE

```
1.  C Code for Medical Store Management Application
2.  This is console application without graphic and compiled in code::block with gcc co
    mpiler.
3.  I hope it will help you to develop your own project similar project related to file
     handling for example "Banking ","" customer  records","student records" e
    tc.
4.
5.  // Medical Store Management Application example using C code
6.
7.  #include<stdio.h>
8.  #include<conio.h>
9.  #include<string.h>
10. #includ<math.h>
11. #include<dos.h>
12. #include<time.h>
13. #include<ctype.h>
14. #include<windows.h>
15.
16. COORD coord = {0, 0};
17. void gotoxy(int x, int y)
18. {
19.   COORD coord;
20.   coord.X = x;
21.   coord.Y = y;
22.   SetConsoleCursorPosition(GetStdHandle(STD_OUTPUT_HANDLE), coord);
23. }
24.
25. int i;
26. //function for auto increment customer & supplier Id.
27. int getcust_id();
28. int getsupp_id();
29. //function for welcome & main menu
30. void welcome();
31. void main_menu();
32. //function for all box
33. void main_box();
34. void box1();
35. void wbox();
36. //function for bill slip
37. void bill();
38. //function for about menu
39. void about();
40. //function for medicine menu
41. void medicine();
42. void medi_sale();
43. void stock();
44. void update_stock();
45. void medi_entry();
46. void medi_search();
47. void remainder();
48. //function for supplier menu
49. void supplier();
50. void supp_entry();
51. void supp_list();
52. void sup_update();
53. void search();
54. void search_id();
55. void search_name();
56. //function for customer menu
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57. void customer();
58. void cust_search();
59. void search_cid();
60. void search_cname();
61. void cust_entry();
62. void cust_list();
63. void cust_update();
64. //function for report menu
65. void report_menu();
66. void report();
67. void sale_rpt();
68. void sale_rpt_daily();
69. void profit_rpt();
70. void pur_rpt();
71. void pur_rpt_daily();
72. //===================================structures =========================
73. struct medical
74. {
75.     char id[6];
76.     char medi_name[20];
77.     int rack;
78.     char cabnit[2];
79.     int quantity;
80.     float sale;
81.     float total;
82.     float unit;
83.     float cost;
84.     float profit;
85.     float bye;
86.     int qty;
87.     char pur_date[15];
88.     char exp_date[15];
89.     char manu_date[15];
90.     int bill_no;
91.     char comp_name[20];
92.     char supp_name[30];
93.  };
94.
95. struct medical temp;
96. struct medical x[20];
97. FILE *ptr;
98.
99. char a[10];
100.        struct supplier
101.        {
102.            int supp_id;
103.            char supp_name[25];
104.            char city[20];
105.            char mob_no[11];
106.            char email[30];
107.
108.        };
109.        struct supplier temp1;
110.
111.        struct customer
112.        {
113.            int cust_id;
114.            char cust_name[30];
115.            char city[20];
116.            char mob_no[11];
117.            char email[50];
118.
119.        };
120.        struct customer temp_c;
121.        FILE *ptr1;
122.
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123.         struct bill
124.         {
125.             char billno[6];
126.             char cname[30];
127.             char mediname[30];
128.             int medi_qty;
129.             float medi_rate;
130.             float total;
131.             int day;
132.             int month;
133.             int year;
134.
135.         };
136.         struct bill bil;
137.         FILE *ptrbill;
138.         struct sales_report
139.         {
140.             char medi_id[6];
141.             char medir_name[20];
142.             char cust_name[30];
143.             int sDay,sMonth,sYear;
144.             int qty;
145.             float rate;
146.             float total;
147.         };
148.         struct sales_report s_r;
149.         FILE *ptrs_r;
150.
151.         struct purchase_report
152.         {
153.             char medi_id[6];
154.             char medir_name[20];
155.             char supp_name[30];
156.             int sDay,sMonth,sYear;
157.             int qty;
158.             float rate;
159.             float total;
160.         };
161.         struct purchase_report p_r;
162.         FILE *ptrp_r;
163.
164.         struct profit_report
165.         {
166.             char medi_id[6];
167.             char medir_name[20];
168.             int sDay,sMonth,sYear;
169.             int qty;
170.             float rate;
171.             float unit;
172.             float profit;
173.         };
174.         struct profit_report pr_r;
175.         FILE *ptrpr_r;
176.
177.         void linkfloat()
178.         {
179.             float f,*p;
180.             p=&f;
181.             f=*p;
182.         }
183.
184.         //========================Time & Date ====================
185.         int t(void)
186.         {
187.             //struct date d;
188.             //struct time t;
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189.
190.            time_t t = time(0);    // get time now
191.            struct tm * now = localtime( & t );
192.            //getdate(&d);
193.            //gettime(&t);
194.            gotoxy(55,46);
195.            printf("Date: %d-%d-%d ",now->tm_mday,now->tm_mon,now->tm_year);
196.            gotoxy(55,48);
197.            printf("Time: %d:%d:%d",now->tm_hour, now->tm_min,now->tm_sec);
198.            return 0;
199.        }
200.
201.        //======================Animation ========================
202.        void animation()
203.        {
204.            for (i=45; i>=1; i--)
205.            {
206.                Sleep(30);
207.                gotoxy(1,i);
208.                //clreol();
209.            }
210.            for (i=1; i<=20; i++)
211.            {
212.                //clreol();
213.                Sleep(40);
214.                gotoxy(1,i);
215.            }
216.        }
217.        //======================= validation =======================
218.        void ventry(char t[],int code)
219.        {
220.          int i=0;
221.            if(code==0)
222.            {
223.                while((t[i]=getch())!='\r' && i<30)
224.                if((t[i]>=97 && t[i]<=122) || (t[i]>=65 && t[i]<=90) || t[i]==32 ||
    t[i]=='_')
225.                {
226.                    printf("%c",t[i]);
227.                    i++;
228.                }
229.                else if(t[i]==8 && i>0)
230.                {
231.                    printf("%c%c%c",8,32,8);
232.                    i--;                //Length counter is decremented.
233.
234.                }
235.            }
236.            else if(code==1)
237.            {
238.                while((t[i]=getch())!='\r' && i<10 )
239.                if((t[i]>=48 && t[i]<=57) || t[i]==46 ||  t[i]=='-')
240.                {
241.                    printf("%c",t[i]);
242.                    i++;
243.                }
244.                else if(t[i]==8 && i>0)
245.                {
246.                    printf("%c%c%c",8,32,8);
247.                    i--;                //Length counter is decremented.
248.
249.                }
250.            }
251.            else if(code==2)
252.            {
253.                while((t[i]=getch())!='\r' && i<30 )
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254.              if((t[i]>=97 && t[i]<=122) || (t[i]>=65 && t[i]<=90) ||(t[i]>=48 &&
     t[i]<=57) || t[i]==32 || t[i]==8 ||t[i]=='@'||t[i]=='.')
255.              {
256.                  printf("%c",t[i]);
257.                  i++;
258.              }
259.              else if(t[i]==8 && i>0)
260.              {
261.                  printf("%c%c%c",8,32,8);
262.                  i--;              //Length counter is decremented.
263.
264.              }
265.          }
266.
267.          t[i]='\0';
268.      }
269.      //=========================================================================
          ==
270.      void box()
271.      {
272.          for(i=3;i<=79;i++)   //This 'FOR' loop will print a combination of
273.          {
274.              gotoxy(i,3);     //the 79th column is reached.
275.              printf("%c",219);
276.              gotoxy(78,45);
277.              printf("%c",219);
278.              gotoxy(i,45);
279.              printf("%c",219);
280.          }
281.
282.          for(i=3;i<=45;i++)      //This 'FOR' loop will print asteriks 'I'
283.          {                       //vertically till the 3th row is reached.
284.              gotoxy(3,i);
285.              printf("%c",219);
286.              gotoxy(79,i);
287.              printf("%c",219);
288.          }
289.      }
290.      void wbox()
291.      {
292.          for(i=5;i<=75;i++)   //This 'FOR' loop will print a combination of
293.          {
294.              gotoxy(i,5);     //the 75th column is reached.
295.              printf("%c",219);
296.              gotoxy(74,40);
297.              printf("%c",219);
298.              gotoxy(i,40);
299.              printf("%c",219);
300.          }
301.
302.          for(i=5;i<=40;i++)      //This 'FOR' loop will print asteriks 'I'
303.          {                       //vertically till the 17th row is reached.
304.              gotoxy(5,i);
305.              printf("%c",219);
306.              gotoxy(75,i);
307.              printf("%c",219);
308.          }
309.      }
310.      //=======================getsupp_id =====================
311.      int getsupp_id()
312.      {
313.
314.       FILE *fp;
315.          fp=fopen("supplier.dat","r");
316.          if(fp==NULL)
317.          {
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318.          gotoxy(22,15);
319.          printf("Data not Found.....");
320.          getch();
321.        }
322.      else
323.      {
324.          temp1.supp_id=100;
325.          rewind(fp);
326.          while(fscanf(fp,"%d %s %s %s %s",&temp1.supp_id,temp1.supp_name,temp
      1.city, temp1.mob_no,temp1.email)!=EOF)
327.          {
328.          }
329.        }
330.      fclose(fp);
331.      return temp1.supp_id+1;
332.    }
333.
334.    //=======================getcust_id =====================
335.    int getcust_id()
336.    {
337.     FILE *fp;
338.        fp=fopen("customer.dat","r");
339.        if(fp==NULL)
340.        {
341.          gotoxy(22,15);
342.          printf("Data not Found.....");
343.          getch();
344.        }
345.      else
346.      {
347.          temp_c.cust_id=100;
348.          rewind(fp);
349.          while(fscanf(fp,"%d %s %s %s %s",&temp_c.cust_id,temp_c.cust_name,te
      mp_c.mob_no, temp_c.city,temp_c.email)!=EOF)
350.          {
351.          }
352.        }
353.      fclose(fp);
354.      return temp_c.cust_id+1;
355.    }
356.
357.
358.    //=========================welcome screen ==============
359.
360.    void welcome()
361.    {
362.     int j,k,l,m;
363.     system("cls");
364.        for(m=0;m<16;m++)
365.        {
366.          //textcolor(m);
367.          wbox();
368.        for(i=0;i<16;i++)
369.        {
370.          //textcolor(i);
371.          gotoxy(35,20);
372.          printf("WELCOME");
373.          k=i+2;
374.          //textcolor(k);
375.          gotoxy(38,22);
376.          printf("TO");
377.          l=i+3;
378.          //textcolor(l);
379.          gotoxy(28,24);
380.          printf("MEDICAL");
381.          //textcolor(l);
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382.                gotoxy(36,24);
383.                printf("STORE");
384.                //textcolor(l);
385.                gotoxy(42,24);
386.                printf("SYSTEM");
387.                gotoxy(52,45);
388.                j=i+1;
389.                //textcolor(j);
390.                printf("Loading......");
391.                Sleep(40);
392.            }
393.            }
394.        }
395.        //========================= box for label ==========
396.        void lbox()
397.        {
398.            gotoxy(25,6);
399.            printf("%c",201);
400.            for(i=26;i<55;i++)
401.            {
402.                gotoxy(i,6);
403.                printf("%c",205);
404.            }
405.            gotoxy(55,6);
406.            printf("%c",187);
407.            gotoxy(25,6);
408.            for(i=6;i<8;i++)
409.            {
410.                gotoxy(25,i+1);
411.                printf("%c",186);
412.            }
413.            gotoxy(25,9);
414.            printf("%c",200);
415.            for(i=26;i<55;i++)
416.            {
417.                gotoxy(i,9);
418.                printf("%c",205);
419.            }
420.            gotoxy(55,9);
421.            printf("%c",188);
422.            gotoxy(55,6);
423.            for(i=6;i<8;i++)
424.            {
425.                gotoxy(55,i+1);
426.                printf("%c",186);
427.            }
428.
429.        }
430.        //===========================small box ===============
431.        void box1()
432.        {
433.            gotoxy(1,3);
434.            printf("%c",201);
435.            for(i=1;i<79;i++)
436.            {
437.                gotoxy(1+i,3);
438.                printf("%c",205);
439.            }
440.
441.            gotoxy(80,3);
442.            printf("%c",187);
443.            gotoxy(1,3);
444.            for(i=4;i<10;i++)
445.            {
446.                gotoxy(1,i);
447.                printf("%c",186);
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448.                }
449.            gotoxy(1,9);
450.            for(i=4;i<8;i++)
451.            {
452.                gotoxy(80,i);
453.                printf("%c",186);
454.            }
455.        }
456.
457.        //==========================main ===================
458.
459.        int main()
460.        {
461.            char name[15];
462.            char pass[15];
463.            int count=0,i;
464.
465.            system("cls");
466.
467.            /*start:
468.            //textcolor(5);
469.            wbox();
470.            lbox();
471.            //textcolor(GREEN);
472.            gotoxy(35,8);
473.            printf(" LOGIN ");
474.
475.            //textcolor(RED);
476.            gotoxy(32,18);
477.            printf("Enter user name :");
478.            gotoxy(32,22);
479.            printf("Enter password  :");
480.            gotoxy(51,18);
481.            strcpy(gets(name),name);
482.
483.            gotoxy(51,22);
484.
485.            i=0;
486.            do
487.            {
488.                pass[i] = getch();
489.                if(pass[i] == 13 )
490.                {
491.                    break;
492.                }
493.                else if(pass[i]==8 && i>0)
494.                {
495.                    printf("%c%c%c",8,32,8);
496.                    i--;
497.                }
498.                else
499.                {
500.                    printf("*");
501.                    i++;
502.                }
503.            }while(pass[i]!=13);
504.            pass[i] = '\0';
505.
506.            if(strcmp(name,"rana") || strcmp(pass,"singh"))
507.            {
508.                system("cls");
509.                gotoxy(20,20);
510.                printf("Please Enter vailid Username & Passward!!!!!");
511.                count++;
512.                gotoxy(20,23);
513.                printf("%d chance left!!!!",3-count);
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514.          getch();
515.          system("cls");
516.          if(count==3)
517.          exit(0);
518.          else
519.          goto start;
520.          }
521.          else
522.          {*/
523.          //welcome();
524.          main_menu();
525.          //}
526.
527.      }
528.
529.      void main_box()
530.      {
531.          gotoxy(1,6);
532.          printf("%c",201);
533.          for(i=1;i<79;i++)
534.          {
535.              gotoxy(1+i,6);
536.              printf("%c",205);
537.          }
538.
539.          gotoxy(80,6);
540.          printf("%c",187);
541.          gotoxy(1,6);
542.          for(i=5;i<35;i++)
543.          {
544.              gotoxy(1,2+i);
545.              printf("%c",186);
546.          }
547.          gotoxy(1,37);
548.          printf("%c",200);
549.          for(i=1;i<79;i++)
550.          {
551.              gotoxy(1+i,37);
552.              printf("%c",205);
553.          }
554.          gotoxy(80,37);
555.          printf("%c",188);
556.          gotoxy(80,6);
557.          for(i=5;i<35;i++)
558.          {
559.              gotoxy(80,2+i);
560.              printf("%c",186);
561.          }
562.      }
563.
564.      void main_menu()
565.      {
566.        char ch;
567.
568.          do
569.          {
570.              //window(1,1,80,50);
571.              //textbackground(BLACK);
572.              system("cls");
573.              //textcolor(4+BLINK);
574.              gotoxy(3,5);
575.              printf("S");
576.              //textcolor(WHITE);
577.              gotoxy(4,5);
578.              printf("upplier Info");
579.              //textcolor(4+BLINK);
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580.                gotoxy(19,5);
581.                printf("C");
582.                //textcolor(15);
583.                gotoxy(20,5);
584.                printf("ustomer Info");
585.                //textcolor(4+BLINK);
586.                gotoxy(36,5);
587.                printf("M");
588.                //textcolor(15);
589.                gotoxy(37,5);
590.                printf("edicine");
591.                //textcolor(4+BLINK);
592.                gotoxy(48,5);
593.                printf("R");
594.                //textcolor(15);
595.                gotoxy(49,5);
596.                printf("Report");
597.                //textcolor(4+BLINK);
598.                gotoxy(57,5);
599.                printf("B");
600.                //textcolor(15);
601.                gotoxy(58,5);
602.                printf("ill");
603.                //textcolor(4+BLINK);
604.                gotoxy(64,5);
605.                printf("A");
606.                //textcolor(15);
607.                gotoxy(65,5);
608.                printf("bout");
609.                //textcolor(4+BLINK);
610.                gotoxy(72,5);
611.                printf("E");
612.                //textcolor(15);
613.                gotoxy(73,5);
614.                printf("xit");
615.                t();    //this function display date & time
616.                box1();
617.                main_box();
618.                gotoxy(30,10);
619.                //textcolor(GREEN);
620.                printf("Welcome To Medical Store ");
621.                gotoxy(2,28);
622.                //textcolor(15);
623.
624.                remainder();//this function is active when medicine qty is less then
     10.
625.                gotoxy(10,40);
626.                //textcolor(RED+BLINK);
627.                printf("Press ");
628.                gotoxy(16,40);
629.                //textcolor(15);
630.                printf("First Character for further Menu  ");
631.
632.                ch=toupper(getche());
633.                switch(ch)
634.                {
635.                    case 'S':supplier();
636.                        break;
637.                    case 'C':customer();
638.                        break;
639.                    case 'M':medicine();
640.                        break;
641.                    case 'R':report_menu();
642.                        break;
643.                    case 'B':bill();
644.                        break;
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645.              case 'A':about();
646.                  break;
647.              case 'E':gotoxy(23,20);
648.                  //textcolor(4);
649.              printf("Do you want to exit now? Y/N :");
650.              Sleep(100);
651.              ch=(getche());
652.              ch=toupper(ch);
653.              if(ch=='Y')
654.              {
655.                  animation();
656.                  system("cls");
657.                  //textcolor(2);
658.                  gotoxy(35,20);
659.                  printf(" Please wait.....");
660.                  Sleep(2000);
661.                  exit(0);
662.              }
663.              else
664.              {
665.                  main_menu();
666.              }
667.
668.              default://textcolor(4+BLINK);
669.              gotoxy(11,34);
670.              printf("Plese Enter right character ONLY (S,C,M,R,B,A).");
671.              getch();
672.          }
673.      }while(ch!='E');
674.  }
675.  //========================For supplier ==========================
676.  void supplier()
677.  {
678.    char ch;
679.      do
680.      {
681.        system("cls");
682.        gotoxy(34,3);
683.        //textcolor(GREEN);
684.        printf("----------------");
685.        gotoxy(35,4);
686.        //textcolor(GREEN);
687.        printf("Supplier MENU");
688.        gotoxy(34,5);
689.        //textcolor(GREEN);
690.        printf("----------------");
691.        gotoxy(25,11);
692.        //textcolor(4+BLINK);
693.        printf("A");
694.        gotoxy(26,11);
695.        //textcolor(15);
696.        printf("dd New Supplier");
697.
698.        gotoxy(25,15);
699.        //textcolor(4+BLINK);
700.        printf("U");
701.        gotoxy(26,15);
702.        //textcolor(15);
703.        printf("pdate Supplier");
704.
705.        gotoxy(25,19);
706.        //textcolor(4+BLINK);
707.        printf("S");
708.        gotoxy(26,19);
709.        //textcolor(15);
710.        printf("earch Supplier");
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711.
712.            gotoxy(25,23);
713.            //textcolor(4+BLINK);
714.            printf("L");
715.            gotoxy(26,23);
716.            //textcolor(15);
717.            printf("ist of Existing Supplier");
718.
719.            gotoxy(25,27);
720.            //textcolor(4+BLINK);
721.            printf("M");
722.            gotoxy(26,27);
723.            //textcolor(15);
724.            printf("ain Menu");
725.            main_box();
726.
727.            gotoxy(10,40);
728.            //textcolor(15);
729.            printf("Press First Character for further Operation ");
730.
731.
732.            ch=toupper(getche());
733.            switch(ch)
734.            {
735.              case 'A':animation();
736.                   supp_entry();
737.                   break;
738.              case 'U':animation();
739.                   sup_update();
740.                   break;
741.              case 'L':animation();
742.                   supp_list();
743.                   break;
744.              case 'S':search();
745.                   break;
746.              case 'M':main_menu();
747.                   break;
748.              default://textcolor(4+BLINK);
749.                   gotoxy(11,34);
750.                   printf("Plese Enter right character ONLY (A,L,U,S,M).");
751.                   getch();
752.            }
753.          }while(ch!='M');
754.
755.      }
756.      //========================For customer ==========================
757.      void customer()
758.      {
759.          char ch;
760.          do
761.          {
762.            system("cls");
763.
764.            gotoxy(34,3);
765.            //textcolor(GREEN);
766.            printf("---------------");
767.            gotoxy(35,4);
768.            printf("Customer Menu.");
769.            gotoxy(34,5);
770.            printf("---------------");
771.            gotoxy(25,11);
772.            //textcolor(4+BLINK);
773.            printf("A");
774.            gotoxy(26,11);
775.            //textcolor(15);
776.            printf("dd New Customer");
```

```c
                gotoxy(25,15);
                //textcolor(4+BLINK);
                printf("U");
                gotoxy(26,15);
                //textcolor(15);
                printf("pdate Customer");

                gotoxy(25,19);
                //textcolor(4+BLINK);
                printf("S");
                gotoxy(26,19);
                //textcolor(15);
                printf("earch Customer");

                gotoxy(25,23);
                //textcolor(4+BLINK);
                printf("L");
                gotoxy(26,23);
                //textcolor(15);
                printf("ist of Existing Customer");

                gotoxy(25,27);
                //textcolor(4+BLINK);
                printf("M");
                gotoxy(26,27);
                //textcolor(15);
                printf("ain Menu");
                main_box();

                gotoxy(10,40);
                //textcolor(15);
                printf("Press First Character for further Operations  ");


                ch=toupper(getche());
                switch(ch)
                {
                  case 'A':animation();
                        cust_entry();
                        break;
                  case 'U':animation();
                        cust_update();
                        break;
                  case 'L':animation();
                        cust_list();
                        break;
                  case 'S':cust_search();
                        break;
                  case 'M':main_menu();
                        break;
                  default://textcolor(4+BLINK);
                        gotoxy(11,34);
                        printf("Plese Enter right character ONLY (A,L,U,S,M).");
                        getch();
                }
            }while(ch!='M');

        }
        //=======================For Medicine ==========================
        void medicine()
        {
            char ch;
            do
            {
              system("cls");
```

```
843.
844.            gotoxy(34,3);
845.            //textcolor(GREEN);
846.            printf("---------------");
847.            gotoxy(35,4);
848.            printf("Medicine Menu.");
849.            gotoxy(34,5);
850.            printf("---------------");
851.            gotoxy(25,15);
852.            //textcolor(4+BLINK);
853.            printf("P");
854.            gotoxy(26,15);
855.            //textcolor(15);
856.            printf("urchase New Medicine");
857.
858.            gotoxy(25,19);
859.            //textcolor(4+BLINK);
860.            printf("S");
861.            gotoxy(26,19);
862.            //textcolor(15);
863.            printf("ale Medicine");
864.
865.            gotoxy(25,23);
866.            //textcolor(15);
867.            printf("Sto");
868.            gotoxy(28,23);
869.            //textcolor(4+BLINK);
870.            printf("c");
871.            gotoxy(29,23);
872.            //textcolor(15);
873.            printf("k of Medicine");
874.
875.            gotoxy(25,27);
876.            //textcolor(15);
877.            printf("Se");
878.            gotoxy(27,27);
879.            //textcolor(4+BLINK);
880.            printf("a");
881.            gotoxy(28,27);
882.            //textcolor(15);
883.            printf("rch Medicine");
884.
885.            gotoxy(25,31);
886.            //textcolor(4+BLINK);
887.            printf("M");
888.            gotoxy(26,31);
889.            //textcolor(15);
890.            printf("ain Menu");
891.            main_box();
892.
893.            gotoxy(10,40);
894.            //textcolor(15);
895.            printf("Press First Character for further Operations  ");
896.
897.
898.            ch=toupper(getche());
899.            switch(ch)
900.            {
901.              case 'P':medi_entry();
902.                  break;
903.              case 'S':medi_sale();
904.                  break;
905.              case 'C':stock();
906.                  break;
907.              case 'A':medi_search();
908.                  break;
```

```c
            case 'M':main_menu();
                break;
            default://textcolor(4+BLINK);
                gotoxy(11,34);
                printf("Plese Enter right character ONLY (P,S,C,M).");
                getch();
        }
    }while(ch!='M');

}
//=======================For Report ==========================
void report_menu()
{
    char ch;
    do
    {
        system("cls");

        gotoxy(34,3);
        //textcolor(GREEN);
        printf("---------------");
        gotoxy(35,4);
        printf("Report Menu.");
        gotoxy(34,5);
        printf("---------------");
        gotoxy(25,12);
        //textcolor(4+BLINK);
        printf("P");
        gotoxy(26,12);
        //textcolor(15);
        printf("urchase Report");

        gotoxy(25,16);
        //textcolor(4+BLINK);
        printf("S");
        gotoxy(26,16);
        //textcolor(15);
        printf("ale Report");

        gotoxy(25,20);
        //textcolor(15);
        printf("Pr");
        gotoxy(27,20);
        //textcolor(4+BLINK);
        printf("o");
        gotoxy(28,20);
        //textcolor(15);
        printf("fit Report");

        gotoxy(25,24);
        //textcolor(15);
        printf("D");
        gotoxy(26,24);
        //textcolor(4+BLINK);
        printf("a");
        gotoxy(27,24);
        //textcolor(15);
        printf("ily Sale Report");

        gotoxy(25,28);
        //textcolor(4+BLINK);
        printf("D");
        gotoxy(26,28);
        //textcolor(15);
        printf("aily Purchase Report");
```

```c
975.              gotoxy(25,32);
976.              //textcolor(4+BLINK);
977.              printf("M");
978.              gotoxy(26,32);
979.              //textcolor(15);
980.              printf("ain Menu");
981.              main_box();
982.
983.              gotoxy(10,40);
984.              //textcolor(15);
985.              printf("Press First Character for further Operations   ");
986.
987.
988.              ch=toupper(getche());
989.              switch(ch)
990.              {
991.                case 'P':pur_rpt();
992.                     break;
993.                case 'S':sale_rpt();
994.                     break;
995.                case 'A':sale_rpt_daily();
996.                     break;
997.                case 'O':profit_rpt();
998.                     break;
999.                case 'D':pur_rpt_daily();
1000.                     break;
1001.                case 'M':main_menu();
1002.                     break;
1003.                default://textcolor(4+BLINK);
1004.                     gotoxy(11,34);
1005.                     printf("Plese Enter right character ONLY (P,S,O,M).");
1006.                     getch();
1007.              }
1008.         }while(ch!='M');
1009.
1010.     }
1011.
1012.     void about()
1013.     {  int c;
1014.        system("cls");
1015.
1016.        do
1017.        {
1018.     //   window(1,1,80,50);
1019.
1020.        //textcolor(LIGHTGRAY);
1021.        gotoxy(28,4);
1022.        //textcolor(RED+BLINK);
1023.        printf("***** MEDICAL STORE *****");
1024.        gotoxy(10,8);
1025.        printf("=> This Project Is About Medical Store ");
1026.        gotoxy(10,10);
1027.        printf("=> In This Project we Can Add Medicine ,Customer,Supplier Detail
    s");
1028.        gotoxy(10,12);
1029.        printf("=> We Can Modifed & Delete Existing Record");
1030.        gotoxy(10,14);
1031.        printf("=> We Can Also Search Medicine ,Customer,Supplier Details");
1032.        gotoxy(10,16);
1033.        printf("=> It's Helpfull For Display Stock Of Medicine ");
1034.
1035.        printf("<<<<-Press 1 for main menu->>>>");
1036.        c = (getche());
1037.
1038.        switch (c)       //This 'SWITCH' structure will ask the user for input fr
    om [1] to [7] and will display error on Invalid Entry.
```

```c
1039.                    {
1040.                        case '1':animation(); main_menu();
1041.                            gotoxy(26,24);
1042.                            puts("<<--ENTER FROM 1 PLEASE--
    >>");    //This message will only print on INVALID ENTRY and Will ask again for inp
    ut.
1043.                            getch();
1044.                    }
1045.
1046.        }while(c != '1');
1047.
1048.        }
1049.        //=====================Remainder for medicine stock ===============
1050.        void remainder()
1051.        {
1052.            ptr1=fopen("medical.dat","r");
1053.            if(ptr1==NULL)
1054.            {
1055.            //  printf("\n\t Can not open File! ");
1056.            }
1057.            while((fread(&temp,sizeof(temp),1,ptr1))==1)
1058.            {
1059.                if(temp.quantity<10)
1060.                {
1061.                    gotoxy(10,45);
1062.                    //textcolor(RED);
1063.                    printf("%s : ",temp.medi_name);
1064.                    printf("Quantity of this medicine is less then 10");
1065.                }
1066.            }
1067.        }
1068.
1069.        //=====================for bill ============================
1070.        void bill()
1071.        {
1072.        //struct date d;
1073.            time_t td = time(0);    // get time now
1074.            struct tm * now = localtime( & td );
1075.
1076.            FILE *ptrbill;
1077.            char id[6];
1078.            int j=1,d1,m,y,k;
1079.            float netamt=0.0;
1080.            //getdate(&d);
1081.            d1=now->tm_mday;
1082.            m=now->tm_mon;
1083.            y=now->tm_year;
1084.            system("cls");
1085.            ptrbill=fopen("dbbill.dat","r");
1086.            gotoxy(13,4);
1087.            printf("Enter bill no : ");
1088.            scanf("%s",&id);
1089.            system("cls");
1090.            gotoxy(25,3);
1091.            ////textcolor(YELLOW+BLINK);
1092.           // printf("***** CareWell Medico *****");
1093.            box();
1094.            gotoxy(7,7);
1095.            printf("Bill No: ");
1096.            printf(" %s",id);
1097.            gotoxy(7,9);
1098.            printf("Customer Name: ");
1099.            gotoxy(50,7);
1100.            printf("Date : ");
1101.            printf("%d-%d-%d",d1,m,y);
1102.            gotoxy(7,12);
```

```
1103.            printf("Sr.No   Medicine Name        Qty          Rate          Total "
    );
1104.            gotoxy(6,14);
1105.            printf("-----------------------------------------------------------
    --------");
1106.
1107.            i=15;
1108.            while(fscanf(ptrbill,"%s %s %s %d %f %f %d %d %d",bil.billno,bil.cnam
    e,bil.mediname,&bil.medi_qty,&bil.medi_rate,&bil.total,&bil.day,&bil.month,&bil.yea
    r)!=EOF)
1109.            {
1110.
1111.                do
1112.                {
1113.                if(strcmp(id,bil.billno)==0)
1114.                {
1115.                    gotoxy(7,i);
1116.                    printf(" %d",j);
1117.                    gotoxy(14,i);
1118.                    printf(" %s",bil.mediname);
1119.                    gotoxy(22,9);
1120.                    printf(" %s",bil.cname);
1121.                    gotoxy(35,i);
1122.                    printf(" %d",bil.medi_qty);
1123.                    gotoxy(47,i);
1124.                    printf(" %.2f",bil.medi_rate);
1125.                    gotoxy(60,i);
1126.                    printf(" %.2f",bil.total);
1127.                    netamt=netamt+bil.total;
1128.                    i++;
1129.                    j++;
1130.                    gotoxy(35,32);
1131.                    printf("                                ");
1132.                    gotoxy(20,50);
1133.                    //textcolor(YELLOW+BLINK);
1134.                    printf("Press Any key to go to  MENU ...........");
1135.
1136.                    //   break;
1137.                }
1138.
1139.
1140.            }while(feof(ptrbill));
1141.
1142.            }
1143.
1144.
1145.            gotoxy(6,35);
1146.            printf("-----------------------------------------------------------
    --------");
1147.            gotoxy(50,37);
1148.            printf("Net Amount : ");
1149.            printf("%.2f",netamt);
1150.
1151.            fclose(ptrbill);
1152.            getch();
1153.        }
1154.
1155.     //========FOR SUPPLIERS ENTRY=================
1156.     void supp_entry()
1157.     {
1158.      int id;
1159.      char ch;
1160.      FILE *fp;
1161.      system("cls");
1162.
1163.            fp=fopen("supplier.dat","a");
```

```c
1164.              if(fp==NULL)
1165.              {
1166.               printf("\n Can not open file!!");
1167.               exit(0);
1168.              }
1169.             system("cls");
1170.             ch='y';
1171.             while(ch=='y')
1172.             {
1173.              system("cls");
1174.              //textcolor(14);
1175.              t();
1176.              box();
1177.              lbox();
1178.              gotoxy(30,8);
1179.              printf(" SUPPLIER ENTRY ");
1180.              gotoxy(8,13);
1181.      //       //flushall();
1182.              temp1.supp_id=getsupp_id();
1183.              printf("SUPPLIER ID : %d ",temp1.supp_id);
1184.              //ventry(temp1.supp_id,1);
1185.              //flushall();
1186.              gotoxy(39,13);
1187.              printf("SUPPLIER NAME : ");
1188.              gotoxy(8,18);
1189.              printf("CITY        : ");
1190.              gotoxy(39,18);
1191.              printf("CONTACT NO.   : ");
1192.              gotoxy(8,23);
1193.              printf("EMAIL ID    : ");
1194.
1195.              gotoxy(55,13);
1196.              //flushall();
1197.              ventry(temp1.supp_name,0);
1198.              gotoxy(22,18);
1199.              ventry(temp1.city,0);
1200.              //flushall();
1201.              gotoxy(55,18);
1202.              ventry(temp1.mob_no,1);
1203.              //flushall();
1204.              gotoxy(22,23);
1205.              gets(temp1.email);
1206.              //flushall();
1207.
1208.              gotoxy(20,30);
1209.              //textcolor(RED+BLINK);
1210.              printf("S");
1211.              //textcolor(WHITE);
1212.              gotoxy(21,30);
1213.              printf("ave");
1214.              gotoxy(28,30);
1215.              //textcolor(RED+BLINK);
1216.              printf("C");
1217.              //textcolor(WHITE);
1218.              gotoxy(29,30);
1219.              printf("ancel");
1220.              gotoxy(18,36);
1221.              printf("Press First charecter for the operation : ");
1222.              ch=getch();
1223.              if(ch=='s' || ch=='S')
1224.              {
1225.                  fprintf(fp,"%d %s %s %s %s\n\n",temp1.supp_id,temp1.supp_name,te
       mp1.mob_no,temp1.city,temp1.email);
1226.                  fprintf(fp,"\n");
1227.                  //flushall();
1228.                  system("cls");
```

```c
1229.                    gotoxy(20,20);
1230.                    printf("Supplier Added successfully!!!!!");
1231.                    //textcolor(10);
1232.                    gotoxy(20,25);
1233.                    printf("More entries  [y/n]");
1234.                    ch=getche();
1235.                }
1236.            }
1237.            fclose(fp);
1238.
1239.      }
1240.      //=========FOR SUPPLIER DISPLAY LIST ==========
1241.      void supp_list()
1242.      {
1243.       char ch;
1244.       int j;
1245.       system("cls");
1246.            ptr1=fopen("supplier.dat","r");
1247.            if(ptr1==NULL)
1248.            {
1249.             printf("\n\t Can not open File! ");
1250.             exit(0);
1251.            }
1252.            system("cls");
1253.            box();
1254.            t();
1255.            //textcolor(GREEN+BLINK);
1256.            gotoxy(8,48);
1257.            printf("Press Anykey to go to SUPPLIER MENU !!!");
1258.            //textcolor(GREEN);
1259.            lbox();
1260.            gotoxy(30,8);
1261.            printf(" SUPPLIER LIST ");
1262.            //textcolor(WHITE);
1263.            gotoxy(5,10);
1264.            printf("ID.  SUPPLIER NAME.      PH.NO.     CITY.          EMAIL");
1265.            gotoxy(4,12);
1266.            i=14;
1267.            printf("=============================================================
     ====");
1268.            while(fscanf(ptr1,"%d %s %s %s %s",&temp1.supp_id,temp1.supp_name,tem
     p1.city,temp1.mob_no,temp1.email)!=EOF)
1269.            {
1270.             gotoxy(4,i);
1271.             printf(" %d",temp1.supp_id);
1272.             gotoxy(9,i);
1273.             printf(" %s",temp1.supp_name);
1274.             gotoxy(29,i);
1275.             printf(" %s",temp1.city);
1276.             gotoxy(41,i);
1277.             printf(" %s",temp1.mob_no);
1278.             gotoxy(54,i);
1279.             printf(" %s",temp1.email);
1280.             i=i+2;
1281.            }
1282.            getche();
1283.      }
1284.      //=====================search supplier=================
1285.      void search()
1286.      {
1287.        int ch;
1288.
1289.          do
1290.          {
1291.            system("cls");
1292.            //textcolor(WHITE);
```

```c
1293.            gotoxy(17,10);
1294.            printf(" Two options Available for searching ");
1295.            gotoxy(15,15);
1296.            printf("Search by");
1297.            gotoxy(25,15);
1298.            //textcolor(RED+BLINK);
1299.            printf("I");
1300.            //textcolor(WHITE);
1301.            gotoxy(26,15);
1302.            printf("D number");
1303.
1304.            gotoxy(15,18);
1305.            printf("Search by");
1306.            gotoxy(25,18);
1307.            //textcolor(RED+BLINK);
1308.            printf("N");
1309.            //textcolor(WHITE);
1310.            gotoxy(26,18);
1311.            printf("ame");
1312.
1313.            gotoxy(15,21);
1314.            //textcolor(RED+BLINK);
1315.            printf("R");
1316.            //textcolor(WHITE);
1317.            gotoxy(16,21);
1318.            printf("eturn");
1319.            main_box();
1320.            gotoxy(17,24);
1321.            printf("Press First charecter for the operation : ");
1322.            ch=toupper(getche());
1323.            switch(ch)
1324.            {
1325.              case 'I':
1326.                   animation();
1327.                   search_id();
1328.
1329.                   break;
1330.              case 'N':
1331.                   animation();
1332.                   search_name();
1333.                   break;
1334.              case 'R':
1335.                   animation();
1336.                   supplier();
1337.                   break;
1338.              default:
1339.                   gotoxy(22,18);
1340.                   printf("You entered wrong choice!!!!!");
1341.                   getch();
1342.            }
1343.            }while(ch!='R');
1344.
1345.        }
1346.        //============================= Search by id =============================

1347.        void search_id()
1348.        {
1349.          int id;
1350.          FILE *fp;
1351.
1352.            fp=fopen("supplier.dat","r");
1353.            if(fp==NULL)
1354.            {
1355.               printf("file can't open!!!!");
1356.
1357.            }
```

```c
1358.              system("cls");
1359.              box();
1360.              gotoxy(13,8);
1361.              printf("Enter id to be searched:");
1362.              scanf("%d",&id);
1363.              gotoxy(20,35);
1364.              //textcolor(YELLOW);
1365.              printf("Press Any key to Return Back Menu ....");
1366.              gotoxy(12,14);
1367.              printf("ID.  SUPPLIER NAME.   CITY.      PH.NO.        EMAIL");
1368.              gotoxy(12,16);
1369.              i=18;
1370.              printf("==============================================================
      =");
1371.              while(fscanf(fp,"%d %s %s %s %s",&temp1.supp_id,temp1.supp_name,temp1
      .mob_no,temp1.city,temp1.email)!=EOF)
1372.              {
1373.                if(temp1.supp_id==id)
1374.                 {
1375.                     gotoxy(10,i);
1376.                     printf(" %d",temp1.supp_id);
1377.                     gotoxy(15,i);
1378.                     printf(" %s",temp1.supp_name);
1379.                     gotoxy(30,i);
1380.                     printf(" %s",temp1.city);
1381.                     gotoxy(40,i);
1382.                     printf(" %s",temp1.mob_no);
1383.                     gotoxy(53,i);
1384.                     printf(" %s",temp1.email);
1385.                     i++;
1386.                     break;
1387.                 }
1388.                }
1389.              if(temp1.supp_id!=id)
1390.              {
1391.               gotoxy(20,30);
1392.               printf("Record not found!");
1393.              }
1394.              fclose(fp);
1395.              getche();
1396.          }
1397.      //========================== Search by name ============================

1398.      void search_name()
1399.      {
1400.        char name[20];
1401.        FILE *fp;
1402.
1403.              fp=fopen("supplier.dat","r");
1404.              if(fp==NULL)
1405.              {
1406.                 printf("file can't open!!!!");
1407.
1408.              }
1409.              system("cls");
1410.              box();
1411.              fp=fopen("supplier.dat","rb");
1412.              gotoxy(13,8);
1413.              printf(" Enter Supplier Name to be searched : ");
1414.              scanf("%s",&name);
1415.              gotoxy(20,35);
1416.              //textcolor(YELLOW);
1417.              printf("Press Any key to Return Back Menu ....");
1418.              gotoxy(12,14);
1419.              printf("ID. SUPPLIER NAME.   CITY.      PH.NO.        EMAIL");
1420.              gotoxy(12,16);
```

```c
1421.              i=18;
1422.              printf("==============================================================
    =");
1423.
1424.              while(fscanf(fp,"%d %s %s %s %s",&temp1.supp_id,temp1.supp_name,temp1
    .mob_no, temp1.city,temp1.email)!=EOF)
1425.              {
1426.               if(strcmp(temp1.supp_name,name)==0)
1427.                {
1428.                    gotoxy(11,i);
1429.                    printf(" %d",temp1.supp_id);
1430.                    gotoxy(15,i);
1431.                    printf(" %s",temp1.supp_name);
1432.                    gotoxy(30,i);
1433.                    printf(" %s",temp1.city);
1434.                    gotoxy(40,i);
1435.                    printf(" %s",temp1.mob_no);
1436.                    gotoxy(53,i);
1437.                    printf(" %s",temp1.email);
1438.                    i++;
1439.                    break;
1440.                 }
1441.                }
1442.               if(strcmp(temp1.supp_name,name)!=0)
1443.                {
1444.                 gotoxy(20,30);
1445.                 //textcolor(YELLOW);
1446.                 printf("Record not found!!!");
1447.                }
1448.               fclose(ptr1);
1449.               getche();
1450.         }
1451.      //============supp update=================
1452.      void sup_update()
1453.      {
1454.        int i;
1455.        char ch;
1456.        int sid;
1457.        FILE *ft;
1458.        system("cls");
1459.        box();
1460.            ptr1=fopen("supplier.dat","rb+");
1461.            if(ptr1==NULL )
1462.            {
1463.             printf("\n\t Can not open file!! ");
1464.             exit(0);
1465.            }
1466.            lbox();
1467.            gotoxy(30,8);
1468.            printf(" Modifying Supplier ");
1469.            gotoxy(12,13);
1470.            printf("Enter supplier ID :  ");
1471.        // //flushall();
1472.            scanf("%d",&sid);
1473.            gotoxy(12,15);
1474.
1475.             ft=fopen("temp.dat","w");
1476.             if(ft==NULL)
1477.             {
1478.                 printf(" Can not open file");
1479.                 exit(1);
1480.             }
1481.             else
1482.             {
1483.                 while(fscanf(ptr1,"%d %s %s %s %s",&temp1.supp_id,temp1.supp_nam
    e,temp1.mob_no, temp1.city,temp1.email)!=EOF)
```

```
1484.                    {
1485.                        if(temp1.supp_id==sid)
1486.                        {
1487.                            gotoxy(18,17);
1488.                            printf(" Existing Record  ");
1489.                            gotoxy(10,19);
1490.                            printf("%d\t %s \t%s \t%s \t%s",temp1.supp_id,temp1.supp
        _name,temp1.mob_no, temp1.city,temp1.email);
1491.                            gotoxy(12,22);
1492.                            printf("Enter New Name        : ");
1493.                            //flushall();
1494.                            ventry(temp1.supp_name,0);
1495.                            gotoxy(12,24);
1496.                            printf("Enter New mobile no  : ");
1497.                            //flushall();
1498.                            ventry(temp1.mob_no,1);
1499.                            gotoxy(12,26);
1500.                            printf("Enter New City        : ");
1501.                            //flushall();
1502.                            ventry(temp1.city,0);
1503.                            gotoxy(12,28);
1504.                            printf("Enter New email       : ");
1505.                            //flushall();
1506.                            ventry(temp1.email,2);
1507.                            gotoxy(20,32);
1508.                            //textcolor(RED+BLINK);
1509.                            printf("U");
1510.                            gotoxy(21,32);
1511.                            //textcolor(WHITE);
1512.                            printf("pdate");
1513.                            gotoxy(30,32);
1514.                            //textcolor(RED+BLINK);
1515.                            printf("C");
1516.                            gotoxy(31,32);
1517.                            //textcolor(WHITE);
1518.                            printf("ancel");
1519.                            gotoxy(18,36);
1520.                            printf("Press First charecter for the operation : ");
1521.                            ch=getch();
1522.                            if(ch=='u' || ch=='U')
1523.                            {
1524.                                fprintf(ft,"%d %s %s %s %s\n",temp1.supp_id,temp1.su
        pp_name,temp1.mob_no,temp1.city,temp1.email);
1525.                                //flushall();
1526.                                gotoxy(20,38);
1527.                                printf("Supplier updated successfully...");
1528.                                remove("supplier.dat");
1529.                                rename("temp.dat","supplier.dat");
1530.
1531.                            }
1532.                        }
1533.                    else
1534.                    {
1535.                        fprintf(ft,"%d %s %s %s %s\n",temp1.supp_id,temp1.supp_name,
        temp1.mob_no,temp1.city,temp1.email);
1536.                        fflush(stdin);
1537.                    }
1538.                }
1539.
1540.            fclose(ft);
1541.            fclose(ptr1);
1542.            }
1543.       }
1544.    //=============================END OF SUPPLIER FUNCTION==================

1545.    //========FOR CUSTOMER ENTRY=================
```

```c
1546.      void cust_entry()
1547.      {
1548.       char ch;
1549.       int id;
1550.       FILE *fp;
1551.      system("cls");
1552.            fp=fopen("customer.dat","a");
1553.            if(fp==NULL)
1554.            {
1555.             printf("\n Can not open file!!");
1556.             exit(0);
1557.            }
1558.            system("cls");
1559.            ch='y';
1560.            while(ch=='y')
1561.            {
1562.             system("cls");
1563.             //textcolor(14);
1564.             t();
1565.             box();
1566.             lbox();
1567.             gotoxy(30,8);
1568.             printf(" CUSTOMER ENTRY ");
1569.             gotoxy(8,13);
1570.             //flushall();
1571.             temp_c.cust_id=getcust_id();
1572.             printf("CUSTOMER ID :%d",temp_c.cust_id);
1573.             //ventry(temp_c.cust_id,1);
1574.             //flushall();
1575.             gotoxy(39,13);
1576.             printf("CUSTOMER NAME : ");
1577.             gotoxy(8,18);
1578.             printf("CITY          : ");
1579.             gotoxy(39,18);
1580.             printf("CONTACT NO.   : ");
1581.             gotoxy(8,23);
1582.             printf("EMAIL ID     : ");
1583.
1584.             gotoxy(55,13);
1585.             //flushall();
1586.             ventry(temp_c.cust_name,0);
1587.             gotoxy(22,18);
1588.             ventry(temp_c.city,0);
1589.             //flushall();
1590.             gotoxy(55,18);
1591.             ventry(temp_c.mob_no,1);
1592.             //flushall();
1593.             gotoxy(22,23);
1594.             gets(temp_c.email);
1595.             //flushall();
1596.
1597.             gotoxy(20,30);
1598.             //textcolor(RED+BLINK);
1599.             printf("S");
1600.             //textcolor(WHITE);
1601.             gotoxy(21,30);
1602.             printf("ave");
1603.             gotoxy(28,30);
1604.             //textcolor(RED+BLINK);
1605.             printf("C");
1606.             //textcolor(WHITE);
1607.             gotoxy(29,30);
1608.             printf("ancel");
1609.             gotoxy(18,36);
1610.             printf("Press First charecter for the operation : ");
1611.             ch=getch();
```

```c
1612.                 if(ch=='s' || ch=='S')
1613.                 {
1614.                     fprintf(fp,"%d %s %s %s %s\n",temp_c.cust_id,temp_c.cust_name,te
       mp_c.mob_no, temp_c.city,temp_c.email);
1615.                     fprintf(fp,"\n");
1616.                     fflush(stdin);
1617.                     system("cls");
1618.                     gotoxy(20,20);
1619.                     printf("Customer Added Successfully!!!!!");
1620.                     //textcolor(10);
1621.                     gotoxy(20,25);
1622.                     printf("More entries  [y/n] ");
1623.                     ch=getche();
1624.
1625.                 }
1626.             }
1627.             fclose(fp);
1628.     }
1629.
1630.     //=========FOR CUSTOMER DISPLAY LIST ==========
1631.     void cust_list()
1632.     {
1633.      char ch;
1634.      system("cls");
1635.             ptr1=fopen("customer.dat","r");
1636.             if(ptr1==NULL)
1637.             {
1638.              printf("\n\t Can not open File! ");
1639.              exit(0);
1640.             }
1641.             system("cls");
1642.             box();
1643.             //textcolor(GREEN+BLINK);
1644.             gotoxy(8,48);
1645.             printf("Press Anykey to go to CUSTOMER MENU!!!");
1646.             //textcolor(GREEN);
1647.             lbox();
1648.             gotoxy(30,8);
1649.             printf(" CUSTOMER LIST ");
1650.             //textcolor(WHITE);
1651.             i=14;
1652.             gotoxy(5,10);
1653.             printf(" ID. CUSTOMER NAME.    CITY.     MOBILE.NO.      EMAIL");
1654.             gotoxy(4,12);
1655.             printf("=============================================================
       =");
1656.             while(fscanf(ptr1,"%d %s %s %s %s",&temp_c.cust_id,temp_c.cust_name,t
       emp_c.mob_no, temp_c.city,temp_c.email)!=EOF)
1657.             {
1658.               gotoxy(4,i);
1659.               printf(" %d",temp_c.cust_id);
1660.               gotoxy(11,i);
1661.               printf(" %s",temp_c.cust_name);
1662.               gotoxy(28,i);
1663.               printf(" %s",temp_c.city);
1664.               gotoxy(40,i);
1665.               printf(" %s",temp_c.mob_no);
1666.               gotoxy(53,i);
1667.               printf(" %s",temp_c.email);
1668.               i=i+2;
1669.             }
1670.             getche();
1671.     }
1672.     //=====================search CUSTOMER=================
1673.     void cust_search()
1674.     {
```

```
1675.        int ch;
1676.
1677.           do
1678.             {
1679.               system("cls");
1680.               //textcolor(WHITE);
1681.               gotoxy(17,10);
1682.               printf(" Two options Available for searching ");
1683.               gotoxy(15,15);
1684.               printf("Search by");
1685.               gotoxy(25,15);
1686.               //textcolor(RED+BLINK);
1687.               printf("I");
1688.               //textcolor(WHITE);
1689.               gotoxy(26,15);
1690.               printf("D number");
1691.
1692.               gotoxy(15,18);
1693.               printf("Search by");
1694.               gotoxy(25,18);
1695.               //textcolor(RED+BLINK);
1696.               printf("N");
1697.               //textcolor(WHITE);
1698.               gotoxy(26,18);
1699.               printf("ame");
1700.
1701.               gotoxy(15,21);
1702.               //textcolor(RED+BLINK);
1703.               printf("R");
1704.               //textcolor(WHITE);
1705.               gotoxy(16,21);
1706.               printf("eturn");
1707.               main_box();
1708.               gotoxy(17,24);
1709.               printf("Press First charecter for the operation : ");
1710.               ch=toupper(getche());
1711.               switch(ch)
1712.               {
1713.                case 'I':
1714.                    animation();
1715.                    search_cid();
1716.
1717.                    break;
1718.                case 'N':
1719.                    animation();
1720.                    search_cname();
1721.                    break;
1722.                case 'R':
1723.                    animation();
1724.                    customer();
1725.                    break;
1726.                default:
1727.                    gotoxy(22,18);
1728.                    printf("You entered wrong choice!!!!!");
1729.                    getch();
1730.               }
1731.             }while(ch!='R');
1732.             getche();
1733.        }
1734.      //=========================Search by CustomerId=========================
1735.      void search_cid()
1736.      {
1737.        int id;
1738.      system("cls");
1739.      box();
1740.             ptr1=fopen("customer.dat","rb");
```

```c
1741.              gotoxy(13,8);
1742.              printf("\xDB\xDB\xB2  Enter id to be searched:");
1743.              scanf("%d",&id);
1744.              //textcolor(GREEN);
1745.              //textcolor(WHITE);
1746.              i=18;
1747.              gotoxy(9,15);
1748.              printf(" ID. CUSTOMER NAME.    CITY.      MOBILE.NO.       EMAIL");
1749.              gotoxy(8,16);
1750.              printf("============================================================
      =");
1751.              while(fscanf(ptr1,"%d %s %s %s %s",&temp_c.cust_id,temp_c.cust_name,t
      emp_c.mob_no, temp_c.city,temp_c.email)!=EOF)
1752.              {
1753.                 if(temp_c.cust_id==id)
1754.                 {
1755.                     gotoxy(8,i);
1756.                     printf(" %d",temp_c.cust_id);
1757.                     gotoxy(15,i);
1758.                     printf(" %s",temp_c.cust_name);
1759.                     gotoxy(28,i);
1760.                     printf(" %s",temp_c.city);
1761.                     gotoxy(40,i);
1762.                     printf(" %s",temp_c.mob_no);
1763.                     gotoxy(54,i);
1764.                     printf(" %s",temp_c.email);
1765.                     gotoxy(20,35);
1766.                     //textcolor(YELLOW);
1767.                     printf("Press Any key to go to CUSTOMER MENU ...........");
1768.                     break;
1769.                 }
1770.              }
1771.              if(temp_c.cust_id!=id)
1772.              {
1773.                 gotoxy(20,30);
1774.                 printf("Record not found!");
1775.              }
1776.              fclose(ptr1);
1777.              getche();
1778.         }
1779.      /*************************search by CUSTOMERname***********************
      ******/
1780.      void search_cname()
1781.      {
1782.        char name[20];
1783.        system("cls");
1784.        box();
1785.              ptr1=fopen("customer.dat","rb");
1786.              gotoxy(12,8);
1787.              printf("\xDB\xDB\xB2  Enter Customer Name to be searched:");
1788.              scanf("%s",&name);
1789.              //textcolor(GREEN);
1790.              //textcolor(WHITE);
1791.              i=18;
1792.              gotoxy(9,15);
1793.              printf(" ID. CUSTOMER NAME.    CITY.      MOBILE.NO.       EMAIL");
1794.              gotoxy(8,16);
1795.              printf("============================================================
      =");
1796.              while(fscanf(ptr1,"%d %s %s %s %s",&temp_c.cust_id,temp_c.cust_name,t
      emp_c.mob_no, temp_c.city,temp_c.email)!=EOF)
1797.              {
1798.                 if(strcmp(temp_c.cust_name,name)==0)
1799.                 {
1800.                     gotoxy(8,i);
1801.                     printf(" %d",temp_c.cust_id);
```

```
1802.                   gotoxy(15,i);
1803.                   printf(" %s",temp_c.cust_name);
1804.                   gotoxy(28,i);
1805.                   printf(" %s",temp_c.city);
1806.                   gotoxy(40,i);
1807.                   printf(" %s",temp_c.mob_no);
1808.                   gotoxy(54,i);
1809.                   printf(" %s",temp_c.email);
1810.                   gotoxy(20,35);
1811.                   //textcolor(YELLOW);
1812.                   printf("Press Any key to go to CUSTOMER MENU ...........");
1813.                   break;
1814.                 }
1815.               }
1816.               if(strcmp(temp_c.cust_name,name)!=0)
1817.               {
1818.                gotoxy(5,10);
1819.                //textcolor(YELLOW);
1820.                printf("Record not found!");
1821.               }
1822.               fclose(ptr1);
1823.            getche();
1824.        }
1825.       //============CUSTOMER update================
1826.       void cust_update()
1827.       {
1828.         int i;
1829.         char ch;
1830.         int cid;
1831.         FILE *ft;
1832.        system("cls");
1833.        box();
1834.            ptr1=fopen("customer.dat","rb+");
1835.            if(ptr1==NULL)
1836.            {
1837.             printf("\n\t Can not open file!! ");
1838.             exit(0);
1839.            }
1840.            lbox();
1841.            gotoxy(30,8);
1842.            printf(" Modifying customer ");
1843.            gotoxy(12,13);
1844.            printf("Enter the CUSTOMER ID : ");
1845.            scanf("%d",&cid);
1846.            gotoxy(12,15);
1847.
1848.             ft=fopen("temp.txt","w");
1849.             if(ft==NULL)
1850.             {
1851.                 printf("\n Can not open file");
1852.                 exit(0);
1853.             }
1854.             else
1855.             {
1856.
1857.                 while(fscanf(ptr1,"%d %s %s %s %s",&temp_c.cust_id,temp_c.cust_n
     ame,temp_c.mob_no, temp_c.city,temp_c.email)!=EOF)
1858.                 {
1859.                     if(temp_c.cust_id==cid)
1860.                     {
1861.                         gotoxy(25,17);
1862.                         printf("*** Existing Record ***");
1863.                         gotoxy(10,19);
1864.                         printf("%d\t %s \t%s \t%s \t%s",temp_c.cust_id,temp_c.cu
     st_name,temp_c.mob_no, temp_c.city,temp_c.email);
1865.                         gotoxy(12,22);
```

```c
1866.                    printf("Enter New Name           : ");
1867.                    //flushall();
1868.                    ventry(temp_c.cust_name,0);
1869.                    gotoxy(12,24);
1870.                    printf("Enter New mobile no     : ");
1871.                    //flushall();
1872.                    ventry(temp_c.mob_no,1);
1873.                    gotoxy(12,26);
1874.                    printf("Enter New City          : ");
1875.                    //flushall();
1876.                    ventry(temp_c.city,0);
1877.                    gotoxy(12,28);
1878.                    printf("Enter New email         : ");
1879.                    //flushall();
1880.                    scanf("%s",temp_c.email);
1881.                    gotoxy(20,32);
1882.                    //textcolor(RED+BLINK);
1883.                    printf("U");
1884.                    gotoxy(21,32);
1885.                    //textcolor(WHITE);
1886.                    printf("pdate");
1887.                    gotoxy(30,32);
1888.                    //textcolor(RED+BLINK);
1889.                    printf("C");
1890.                    gotoxy(31,32);
1891.                    //textcolor(WHITE);
1892.                    printf("ancel");
1893.                    gotoxy(18,35);
1894.                    printf("Press First charecter for the operation : ");
1895.                    ch=getche();
1896.                    if(ch=='u' || ch=='U')
1897.                    {
1898.                    fprintf(ft,"%d %s %s %s %s\n",temp_c.cust_id,temp_c.cust
     _name,temp_c.mob_no, temp_c.city,temp_c.email);
1899.                       //   fprintf(ft,"\n");
1900.                    fflush(stdin);
1901.                    gotoxy(20,36);
1902.                    printf("Customer updated successfully...");
1903.                    remove("customer.dat");
1904.                    rename("temp.txt","customer.dat");
1905.                    }                 }
1906.                    else
1907.                    {
1908.                    fprintf(ft,"%d %s %s %s %s\n",temp_c.cust_id,temp_c.cust
     _name,temp_c.mob_no, temp_c.city,temp_c.email);
1909.                    fflush(stdin);
1910.                    }
1911.                 }
1912.
1913.
1914.          fclose(ft);
1915.          fclose(ptr1);
1916.         }
1917.
1918.     }
1919.
1920.     //=========================== END OF CUSTOMER FUNCTION ===================

1921.     //=========================== FOR MEDICINE PURCHASE    ===================

1922.     void medi_entry()
1923.     {
1924.       char ch,id[6];
1925.     //  struct date d;
1926.        time_t t = time(0);   // get time now
1927.        struct tm * now = localtime( & t );
```

```c
1928.         int f;
1929.         FILE *fp;
1930.         system("cls");
1931.             //getdate(&d);
1932.
1933.             ptrp_r=fopen("purreport.dat","a");
1934.             ch='Y';
1935.             while(ch=='Y')
1936.             {
1937.                 system("cls");
1938.                 box();
1939.                 //textcolor(14);
1940.     //          t();  // THIS FUN IS USED FOR DISPLAY DATE & TIME.......
1941.                 lbox();
1942.                 gotoxy(30,8);
1943.                 ////textcolor(GREEN+BLINK);
1944.                 printf(" MEDICINE PURSHASE  ");
1945.                 {
1946.                     //textcolor(WHITE);
1947.                     gotoxy(7,11);
1948.                     printf("MEDICINE ID    : ");
1949.
1950.                     gotoxy(40,11);
1951.                     printf("MEDICINE NAME  : ");
1952.
1953.                     gotoxy(7,14);
1954.                     printf("ENTER RACK NO  : ");
1955.
1956.                     gotoxy(40,14);
1957.                     printf("CABNIT NO      : ");
1958.
1959.                     gotoxy(7,18);
1960.                     printf("COMPANY NAME   : ");
1961.
1962.                     gotoxy(40,18);
1963.                     printf("SUPPLIER NAME  : ");
1964.
1965.                     gotoxy(7,21);
1966.                     printf("UNIT COST   Rs.:  ");
1967.
1968.                     gotoxy(40,21);
1969.                     printf("SALE COST   Rs.: ");
1970.
1971.                     gotoxy(7,24);
1972.                     printf("QUANTITY       :  ");
1973.
1974.                     gotoxy(7,27);
1975.                     printf("MFG.DATE(dd-mm-yyyy): ");
1976.
1977.                     gotoxy(7,29);
1978.                     printf("EXP.DATE(dd-mm-yyyy): ");
1979.
1980.                     gotoxy(25,11);
1981.                     ventry(temp.id,1);
1982.                     strcpy(id,temp.id);
1983.
1984.                     fp=fopen("medical.dat","r");
1985.                     while((fread(&temp,sizeof(temp),1,fp))==1)
1986.                     {
1987.
1988.                         if(strcmp(id,temp.id)==0)
1989.                         {
1990.                             f=1;
1991.                             break;
1992.                         }
1993.                     }
```

```c
1994.                fclose(fp);
1995.                if(f==1)
1996.                {
1997.                    gotoxy(20,31);
1998.                    printf("ID Allready Exists");
1999.                    getche();
2000.                    system("cls");
2001.                    medi_entry();
2002.                }
2003.                else
2004.                {
2005.                ptr=fopen("medical.dat","a+b");
2006.                strcpy(temp.id,id);
2007.                strcpy(p_r.medi_id,temp.id);
2008.                }
2009.                //flushall();
2010.                gotoxy(58,11);
2011.                ventry(temp.medi_name,0);
2012.                strcpy(p_r.medir_name,temp.medi_name);
2013.                //flushall();
2014.                gotoxy(25,14);
2015.                ventry(a,1);
2016.                temp.rack= atoi(a);//atoi() used for convert str to int.
2017.                //flushall();
2018.                gotoxy(58,14);
2019.                ventry(temp.cabnit,2);
2020.                //flushall();
2021.                gotoxy(25,18);
2022.                ventry(temp.comp_name,0);
2023.                //flushall();
2024.                gotoxy(58,18);
2025.                ventry(temp.supp_name,0);
2026.                strcpy(p_r.supp_name,temp.supp_name);
2027.                //flushall();
2028.                gotoxy(25,21);
2029.                ventry(a,1);
2030.                temp.unit= atof(a);
2031.                //flushall();
2032.                p_r.rate=temp.unit;
2033.                gotoxy(58,21);
2034.                ventry(a,1);
2035.                temp.sale= atof(a);
2036.                //flushall();
2037.                gotoxy(25,24);
2038.                ventry(a,1);
2039.                temp.quantity= atoi(a);
2040.                p_r.qty=temp.quantity;
2041.                //flushall();
2042.                gotoxy(29,27);
2043.                //flushall();
2044.                ventry(temp.manu_date,1);
2045.                gotoxy(29,29);
2046.                //flushall();
2047.                ventry(temp.exp_date,1);
2048.
2049.                gotoxy(7,31);
2050.                printf("======================================================
    ==");
2051.                temp.total=temp.quantity*temp.sale;
2052.
2053.                //textcolor(10);
2054.                gotoxy(10,33);
2055.                printf("TOTAL SALE COST = Rs. %.2f",temp.total);
2056.                temp.cost=(temp.unit*temp.quantity);
2057.                gotoxy(40,33);
2058.                printf("TOTAL UNIT COST = Rs. %.2f",temp.cost);
```

```c
2059.                        p_r.total=temp.cost;
2060.                        p_r.sDay=now->tm_mday;
2061.                        p_r.sMonth=now->tm_mon;
2062.                        p_r.sYear=now->tm_year;
2063.                }
2064.              gotoxy(20,35);
2065.              //textcolor(RED+BLINK);
2066.              printf("S");
2067.              //textcolor(WHITE);
2068.              gotoxy(21,35);
2069.              printf("ave");
2070.              gotoxy(28,35);
2071.              //textcolor(RED+BLINK);
2072.              printf("C");
2073.              //textcolor(WHITE);
2074.              gotoxy(29,35);
2075.              printf("ancel");
2076.              gotoxy(18,38);
2077.              printf("Press First charecter for the operation : ");
2078.
2079.
2080.              ch=toupper(getche());
2081.
2082.              if(ch=='S')
2083.              {
2084.                  fwrite(&temp,sizeof(temp),1,ptr);
2085.                  fflush(stdin);
2086.                  //textcolor(10);
2087.                  fprintf(ptrp_r,"%s %s %s %d %.2f %.2f %d %d %d\n",p_r.medi_id,p_
      r.medir_name,p_r.supp_name,p_r.qty,p_r.rate,p_r.total,p_r.sDay,p_r.sMonth,p_r.sYear
      );
2088.                  system("cls");
2089.                  gotoxy(20,20);
2090.                  printf("Medicine Added sucessfully!!!!!!");
2091.                  gotoxy(20,25);
2092.                  printf("More entries  [y/n]");
2093.                  ch=toupper(getche());
2094.                      /*   if(ch=='Y')
2095.                  {
2096.                      system("cls");
2097.                      medi_entry();
2098.                  }*/
2099.              }
2100.
2101.            }
2102.          fclose(ptr);
2103.          fclose(ptrp_r);
2104.    }
2105.    //==========FOR MEDICINE SALE========================
2106.    void medi_sale()
2107.    {
2108.      struct bill bil;
2109.      //struct date d;
2110.      time_t t = time(0);   // get time now
2111.        struct tm * now = localtime( & t );
2112.      int j,n,i,a,billno;
2113.      int d1,m,y;
2114.      float b,total,rate;
2115.      char tar[30],ch,mediname[30],c_name[30],cname[30];
2116.      FILE *fp,*fpc;
2117.      int count=0;
2118.      //getdate(&d);
2119.      d1=now->tm_mday;
2120.      m=now->tm_mon;
2121.      y=now->tm_year;
2122.          ch='y';
```

```c
2123.            while(ch=='y')
2124.              {
2125.               fp = fopen("dbbill.dat","a");
2126.               ptr1 = fopen("customer.dat","r");
2127.               ptr = fopen("medical.dat","r");
2128.               ptrs_r=fopen("saleRpt.dat","a");
2129.               ptrpr_r=fopen("profitRpt.dat","a");
2130.               system("cls");
2131.               box();
2132.               for(i=3;i<=45;i++)       //This 'FOR' loop will print asteriks 'I'
2133.               {                        //vertically till the 3th row is reached.
2134.               gotoxy(50,i);
2135.               printf("%c",219);
2136.               }
2137.               i=9;
2138.               gotoxy(52,7);
2139.               printf("Cust_ID     Cust_Name");
2140.               //flushall();
2141.               while(fscanf(ptr1,"%d %s %s %s %s",&temp_c.cust_id,temp_c.cust_name,
       temp_c.mob_no, temp_c.city,temp_c.email)!=EOF)
2142.               {
2143.                    gotoxy(53,i);
2144.                    printf("%d",temp_c.cust_id);
2145.                    gotoxy(64,i);
2146.                    printf("%s",temp_c.cust_name);
2147.                    i+=2;
2148.               }
2149.
2150.               gotoxy(9,7);
2151.               printf("ENTER MEDICINE ID TO BE SOLD  : ");
2152.               ventry(tar,1);
2153.               //scanf("%s",&tar);
2154.               j=0;
2155.               while((fread(&temp,sizeof(temp),1,ptr))==1)
2156.               {
2157.                    if((strcmp(temp.id,tar)<0) || (strcmp(temp.id,tar)>0))
2158.                    {
2159.                         x[j] = temp;
2160.                         j++;
2161.                    }
2162.                    else if((strcmp(temp.id,tar)==0))
2163.                    {
2164.
2165.                         gotoxy(8,10);
2166.                         printf(" Medicine Name        : %s",temp.medi_name);
2167.                         gotoxy(8,12);
2168.                         printf(" Quantity in stock    : %d",temp.quantity);
2169.                         gotoxy(8,14);
2170.                         printf(" Sales price          : %.2f",temp.sale);
2171.                         gotoxy(8,16);
2172.                         printf("Enter bill number     : ");
2173.                         //flushall();
2174.                         ventry(bil.billno,1);
2175.                         //scanf("%s",&bil.billno);
2176.                         gotoxy(8,18);
2177.                         printf("Enter customer Name   : ");
2178.                         //flushall();
2179.                         ventry(c_name,0);
2180.                         //scanf("%s",&c_name);
2181.                         gotoxy(8,20);
2182.                         printf("Quantity want to sale : ");
2183.                         //ventry(a,1);
2184.                         scanf("%d",&a);
2185.
2186.                         pr_r.profit=(temp.sale-temp.unit)*a;
2187.                         x[j]=temp;
```

```c
2188.                    x[j].quantity=(x[j].quantity-a);
2189.                    x[j].total=(x[j].quantity*temp.sale);
2190.                    x[j].cost=(x[j].quantity*temp.unit);
2191.                    x[j].bye=(x[j].sale*a);
2192.                    b=x[j].bye;
2193.                    x[j].qty=a;
2194.                    j++;
2195.                    count++;
2196.                    strcpy(bil.cname,c_name);
2197.                    strcpy(s_r.cust_name,c_name);
2198.                    strcpy(bil.mediname,temp.medi_name);
2199.                    bil.medi_qty=a;
2200.                    bil.medi_rate=temp.sale;
2201.                    bil.total=temp.sale*a;
2202.
2203.                    bil.day=d1;
2204.                    bil.month=m;
2205.                    bil.year=y;
2206.
2207.                    fprintf(fp,"%s %s %s %d %.2f %.2f %d %d %d\n",bil.billno,bil
       .cname,bil.mediname,bil.medi_qty,bil.medi_rate,bil.total,bil.day,bil.month,bil.year
       );
2208.                    fflush(stdin);
2209.
2210.                    fclose(fp);
2211.
2212.                    s_r.sDay=d1;
2213.                    s_r.sMonth=m;
2214.                    s_r.sYear=y;
2215.                    strcpy(s_r.medi_id,tar);
2216.                    strcpy(s_r.medir_name,temp.medi_name);
2217.                    s_r.qty=a;
2218.                    s_r.rate=temp.sale;
2219.                    s_r.total=temp.sale*a;
2220.
2221.                    //sale report
2222.                    fprintf(ptrs_r,"%s %s %s %d %.2f %.2f %d %d %d\n",s_r.medi_i
       d,s_r.medir_name,s_r.cust_name,s_r.qty,s_r.rate,s_r.total,s_r.sDay,s_r.sMonth,s_r.s
       Year);
2223.                    fflush(stdin);
2224.                    fclose(ptrs_r);
2225.                    //profit report
2226.
2227.                    pr_r.sDay=d1;
2228.                    pr_r.sMonth=m;
2229.                    pr_r.sYear=y;
2230.                    strcpy(pr_r.medi_id,tar);
2231.                    strcpy(pr_r.medir_name,temp.medi_name);
2232.                    pr_r.qty=a;
2233.                    pr_r.rate=temp.sale;
2234.                    pr_r.unit=temp.unit;
2235.                    fprintf(ptrpr_r,"%s %s %d %d %d %d %.2f %.2f  %.2f\n",pr_r.m
       edi_id,pr_r.medir_name,d1,pr_r.sMonth,pr_r.sYear,pr_r.qty,pr_r.unit,pr_r.rate,pr_r.
       profit);
2236.                    fflush(stdin);
2237.                    fclose(ptrpr_r);
2238.
2239.                }
2240.            }
2241.        if (count==0)
2242.        {
2243.            system("cls");
2244.            gotoxy(33,10);
2245.            printf("Not in stock!!!!!");
2246.            getch();
2247.            return;
```

```c
2248.                }
2249.                fclose(ptr1);
2250.                fclose(ptr);
2251.                n = j;
2252.                system("cls");
2253.                ptr=fopen("medical.dat","wb");
2254.                for(i=0; i<n; i++)
2255.                fwrite(&x[i],sizeof(x[i]),1,ptr);
2256.                fclose(ptr);
2257.                system("cls");
2258.                box();
2259.                gotoxy(8,15);
2260.                printf("* Price paid by customer = %.2f",b);
2261.                gotoxy(8,17);
2262.                printf("* Quantity sold          = %d",a);
2263.                getch();
2264.                gotoxy(10,20);
2265.                printf("more enteries=(y/n) :");
2266.                ch=getche();
2267.            }
2268.
2269.        }
2270.        //========================MEDICINE STOCK=================================
====
2271.        void stock()
2272.        {
2273.          char ch;
2274.           int i,c;
2275.                do
2276.                {
2277.                  system("cls");
2278.                  ptr1=fopen("medical.dat","r");
2279.                  if(ptr1==NULL)
2280.                  {
2281.                      printf("\n\t Can not open File! ");
2282.                      exit(1);
2283.                  }
2284.                  system("cls");
2285.                  box();
2286.                  lbox();
2287.                  //textcolor(GREEN);
2288.                  gotoxy(30,8);
2289.                  ////textcolor(GREEN+BLINK);
2290.                  printf(" STOCK OF MEDICINE ");
2291.                  //textcolor(WHITE);
2292.                  i=14;
2293.                  gotoxy(9,10);
2294.                  printf("ID.   MEDICINE NAME.    QTY      Supplier Name     Exp.Date")
    ;
2295.                  gotoxy(9,12);
2296.                  printf("===================================================================
======\n");
2297.
2298.                  while((fread(&temp,sizeof(temp),1,ptr1))==1)
2299.                  {
2300.                      gotoxy(9,i);
2301.                      printf(" %s",temp.id);
2302.                      gotoxy(15,i);
2303.                      printf(" %s",temp.medi_name);
2304.                      gotoxy(32,i);
2305.                      printf(" %d",temp.quantity);
2306.                      gotoxy(43,i);
2307.                      printf(" %s",temp.supp_name);
2308.                      gotoxy(60,i);
2309.                      printf(" %s",temp.exp_date);
2310.                      i++;
```

```c
                }
                gotoxy(10,42);
                printf("Press [1] for Update Medicine Stock  & [0] for main menu ");

                c = (getche());
                switch (c)
                {
                    case '0':animation();
                        main_menu();
                        break;
                    case '1':update_stock();
                        break;
                }

            }while(c != '1');
            getche();
        }
        //============================= FOR MEDICINE SEARCH ====================
        void medi_search()
        {
          char mid[6];
          int i,c;
          system("cls");
                ptr1=fopen("medical.dat","r");
                if(ptr1==NULL)
                {
                 printf("\n\t Can not open File! ");
                 exit(0);
                }
                system("cls");
                box();

                gotoxy(10,7);
                printf("Enter Medicine Id to be searched : ");
                scanf("%s",&mid);
                system("cls");
                box();
                lbox();
                //textcolor(GREEN);
                gotoxy(30,8);
                //textcolor(GREEN+BLINK);
                printf(" MEDICINE ");
                //textcolor(WHITE);
                i=14;
                gotoxy(9,10);
                printf("ID.   MEDICINE NAME.    QTY     Supplier Name     Exp.Date");

                gotoxy(9,12);
                printf("=================================================================
    =====\n");
                while((fread(&temp,sizeof(temp),1,ptr1))==1)
                {
                 if(strcmp(mid,temp.id)==0)
                 {
                    gotoxy(9,i);
                    printf(" %s",temp.id);
                    gotoxy(15,i);
                    printf(" %s",temp.medi_name);
                    gotoxy(32,i);
                    printf(" %d",temp.quantity);
                    gotoxy(43,i);
                    printf(" %s",temp.supp_name);
                    gotoxy(60,i);
                    printf(" %s",temp.exp_date);
                    i++;
                    break;
```

```
2374.                   }
2375.
2376.               }
2377.               if(strcmp(mid,temp.id)!=0)
2378.               {
2379.                gotoxy(20,20);
2380.                printf("Not in Stock.....");
2381.               }
2382.               getche();
2383.
2384.         }
2385.         //========================== FOR MEDICINE UPDATE ====================
2386.         void update_stock()
2387.         {
2388.           char mid[6];
2389.            int j,a,count=0,n;
2390.            system("cls");
2391.               ptr=fopen("medical.dat","rb");
2392.               if(ptr==NULL)
2393.               {
2394.                printf("\n\t Can not open File! ");
2395.                exit(0);
2396.               }
2397.               system("cls");
2398.               box();
2399.               gotoxy(20,45);
2400.               printf("Press Enter to go to MENU ...........");
2401.               //textcolor(GREEN);
2402.               gotoxy(27,8);
2403.               ////textcolor(GREEN+BLINK);
2404.               printf(" UPDATE MEDICINE QUANTITY ");
2405.               //textcolor(WHITE);
2406.               gotoxy(9,10);
2407.               printf("Enter medicine id to be update qty: ");
2408.               scanf("%s",&mid);
2409.               j=0;
2410.
2411.               while((fread(&temp,sizeof(temp),1,ptr))==1)
2412.               {
2413.                if((strcmp(temp.id,mid)<0) || (strcmp(temp.id,mid)>0))
2414.                {
2415.                    x[j] = temp;
2416.                    j++;
2417.                }
2418.                else
2419.                {
2420.                    gotoxy(8,12);
2421.                    printf("Medicine Name     : %s",temp.medi_name);
2422.                    gotoxy(8,14);
2423.                    printf("Quantity in stock : %d",temp.quantity);
2424.                    gotoxy(8,16);
2425.                    printf("Quantity want to update : ");
2426.                    scanf("%d",&a);
2427.                    x[j]=temp;
2428.                    x[j].quantity=(x[j].quantity+a);
2429.                    x[j].total=(x[j].quantity*temp.sale);
2430.                    x[j].cost=(x[j].quantity*temp.unit);
2431.                    x[j].bye=(x[j].sale*a);
2432.                    x[j].qty=a;
2433.                    j++;
2434.                    count++;
2435.                }
2436.               }
2437.               if (count==0)
2438.               {
2439.                  system("cls");
```

```c
2440.              gotoxy(33,10);
2441.              printf("Not in stock!!!!!!");
2442.              getch();
2443.              return;
2444.            }
2445.          fclose(ptr);
2446.          n = j;
2447.          system("cls");
2448.          ptr=fopen("medical.dat","wb");
2449.          for(i=0; i<n; i++)
2450.          fwrite(&x[i],sizeof(x[i]),1,ptr);
2451.          fclose(ptr);
2452.       }
2453.       //==================== view report ==========================/
2454.      void sale_rpt()
2455.      {
2456.        char ch;
2457.        int j;
2458.       system("cls");
2459.          ptrs_r=fopen("saleRpt.dat","r");
2460.          if(ptrs_r==NULL)
2461.          {
2462.           printf("\n\t Can not open File! ");
2463.           exit(0);
2464.          }
2465.          system("cls");
2466.          box();
2467.          gotoxy(20,50);
2468.          printf("Press any key to go to REPORT MENU ...........");
2469.          lbox();
2470.          //textcolor(GREEN);
2471.          gotoxy(30,8);
2472.          ////textcolor(GREEN+BLINK);
2473.          printf("Sales Report");
2474.          //textcolor(WHITE);
2475.          gotoxy(7,10);
2476.          printf("ID. Medicine Name.  Customer Name.   Qty.  Rate.  Total.   Da
      te");
2477.          gotoxy(7,12);
2478.          printf("==================================================================
      ======");
2479.          j=14;
2480.          while(fscanf(ptrs_r,"%s %s %s %d %f %f %d %d %d\n",s_r.medi_id,s_r.me
      dir_name,s_r.cust_name,&s_r.qty,&s_r.rate,&s_r.total,&s_r.sDay,&s_r.sMonth,&s_r.sYe
      ar)!=EOF)
2481.          {
2482.           gotoxy(6,j);
2483.           printf("%s",s_r.medi_id);
2484.           gotoxy(11,j);
2485.           printf("%s",s_r.medir_name);
2486.           gotoxy(28,j);
2487.           printf("%s",s_r.cust_name);
2488.           gotoxy(44,j);
2489.           printf("%d",s_r.qty);
2490.           gotoxy(50,j);
2491.           printf("%.2f",s_r.rate);
2492.           gotoxy(57,j);
2493.           printf("%.2f",s_r.total);
2494.           gotoxy(65,j);
2495.           printf("%d-%d-%d",s_r.sDay,s_r.sMonth,s_r.sYear);
2496.           j=j+2;
2497.          }
2498.          getche();
2499.       }
2500.       //====================== VIEW PURCHASE REPORT ==========================
2501.      void pur_rpt()
```

```c
2502.        {
2503.          char ch;
2504.          int j;
2505.          system("cls");
2506.          t();
2507.          box();
2508.              ptrp_r=fopen("purreport.dat","r");
2509.              if(ptrp_r==NULL)
2510.              {
2511.               printf("\n\t Can not open File! ");
2512.               exit(0);
2513.              }
2514.              gotoxy(20,50);
2515.              printf("Press Enter to go to REPORT MENU ...........");
2516.              lbox();
2517.              //textcolor(GREEN);
2518.              gotoxy(30,8);
2519.              printf("Purchase Report");
2520.              //textcolor(WHITE);
2521.              gotoxy(7,10);
2522.              printf("ID. Medicine Name.  Supplier Name.   Qty.  Rate.  Total.   Da
      te");
2523.              gotoxy(7,12);
2524.              printf("=============================================================
      ======");
2525.              j=14;
2526.              while(fscanf(ptrp_r,"%s %s %s %d %f %f %d %d %d\n",p_r.medi_id,p_r.me
      dir_name,p_r.supp_name,&p_r.qty,&p_r.rate,&p_r.total,&p_r.sDay,&p_r.sMonth,&p_r.sYe
      ar)!=EOF)
2527.              {
2528.               gotoxy(6,j);
2529.               printf("%s",p_r.medi_id);
2530.               gotoxy(11,j);
2531.               printf("%s",p_r.medir_name);
2532.               gotoxy(28,j);
2533.               printf("%s",p_r.supp_name);
2534.               gotoxy(44,j);
2535.               printf("%d",p_r.qty);
2536.               gotoxy(50,j);
2537.               printf("%.2f",p_r.rate);
2538.               gotoxy(57,j);
2539.               printf("%.2f",p_r.total);
2540.               gotoxy(65,j);
2541.               printf("%d-%d-%d",p_r.sDay,p_r.sMonth,p_r.sYear);
2542.               j+=2;
2543.              }
2544.              getche();
2545.        }
2546.        //======================= report of profit ==========================
2547.        void profit_rpt()
2548.        {
2549.          char ch;
2550.          int j;
2551.          system("cls");
2552.          t();
2553.          box();
2554.              ptrpr_r=fopen("profitRpt.dat","r");
2555.              if(ptrpr_r==NULL)
2556.              {
2557.               printf("\n\t Can not open File! ");
2558.                  //   exit(0);
2559.              }
2560.              gotoxy(20,50);
2561.              printf("Press Enter to go to REPORT MENU ...........");
2562.              lbox();
2563.              //textcolor(GREEN);
```

```c
2564.              gotoxy(30,8);
2565.              printf("Profit Report");
2566.              //textcolor(WHITE);
2567.              gotoxy(7,10);
2568.              printf("ID. Medicine Name.   Date         Qty.   Unit Price   Sale Price
      . Profit. ");
2569.              gotoxy(7,12);
2570.              printf("===========================================================
      ======");
2571.              j=14;
2572.              while(fscanf(ptrpr_r,"%s %s %d %d %d %d %f %f %f \n",pr_r.medi_id,pr_
      r.medir_name,&pr_r.sDay,&pr_r.sMonth,&pr_r.sYear,&pr_r.qty,&pr_r.unit,&pr_r.rate,&p
      r_r.profit)!=EOF)
2573.              {
2574.               gotoxy(6,j);
2575.
2576.               printf("%s",pr_r.medi_id);
2577.               gotoxy(11,j);
2578.               printf("%s",pr_r.medir_name);
2579.               gotoxy(28,j);
2580.               printf("%d-%d-%d",pr_r.sDay,pr_r.sMonth,pr_r.sYear);
2581.               gotoxy(40,j);
2582.               printf("%d",pr_r.qty);
2583.               gotoxy(48,j);
2584.               printf("%.2f",pr_r.unit);
2585.               gotoxy(60,j);
2586.               printf("%.2f",pr_r.rate);
2587.               gotoxy(70,j);
2588.               printf("%.2f",pr_r.profit);
2589.               gotoxy(10,j);
2590.               printf("%c",124);
2591.               j+=2;
2592.
2593.              }
2594.              getche();
2595.       }
2596.
2597.      void sale_rpt_daily()
2598.      {
2599.         char ch;
2600.          int j,d,m,y;
2601.          float total=0.00;
2602.         system("cls");
2603.              ptrs_r=fopen("saleRpt.dat","r");
2604.              if(ptrs_r==NULL)
2605.              {
2606.               printf("\n\t Can not open File! ");
2607.               exit(0);
2608.              }
2609.              system("cls");
2610.              gotoxy(15,10);
2611.              printf("Enter Date(dd-mm-yyyy):  ");
2612.              scanf("%d-%d-%d",&d,&m,&y);
2613.              system("cls");
2614.              gotoxy(20,50);
2615.              printf("Press any key to go to REPORT MENU ...........");
2616.              box();
2617.              lbox();
2618.              //textcolor(GREEN);
2619.              gotoxy(30,8);
2620.              ////textcolor(GREEN+BLINK);
2621.              printf("Sales Report");
2622.              //textcolor(WHITE);
2623.              gotoxy(7,10);
2624.              printf("ID. Medicine Name.  Customer Name.   Qty.  Rate.  Total.   Da
      te");
```

```c
2625.            gotoxy(7,12);
2626.            printf("=========================================================
======");
2627.            j=14;
2628.            while(fscanf(ptrs_r,"%s %s %s %d %f %f %d %d %d\n",s_r.medi_id,s_r.me
dir_name,s_r.cust_name,&s_r.qty,&s_r.rate,&s_r.total,&s_r.sDay,&s_r.sMonth,&s_r.sYe
ar)!=EOF)
2629.            {
2630.             if(d==s_r.sDay &&m== s_r.sMonth && y==s_r.sYear)
2631.             {
2632.             gotoxy(6,j);
2633.             printf("%s",s_r.medi_id);
2634.             gotoxy(11,j);
2635.             printf("%s",s_r.medir_name);
2636.             gotoxy(28,j);
2637.             printf("%s",s_r.cust_name);
2638.             gotoxy(44,j);
2639.             printf("%d",s_r.qty);
2640.             gotoxy(50,j);
2641.             printf("%.2f",s_r.rate);
2642.             gotoxy(57,j);
2643.             printf("%.2f",s_r.total);
2644.             gotoxy(65,j);
2645.             printf("%d-%d-%d",s_r.sDay,s_r.sMonth,s_r.sYear);
2646.             j=j+2;
2647.             total=total+s_r.total;
2648.             }
2649.            }
2650.            gotoxy(7,42);
2651.            printf("-----------------------------------------------------------
------");
2652.            gotoxy(45,43);
2653.            printf("Total:        %.2f",total);
2654.            getche();
2655.        }
2656.        void pur_rpt_daily()
2657.        {
2658.          char ch;
2659.          int j,d,m,y;
2660.          float total=0.00;
2661.
2662.            ptrp_r=fopen("purreport.dat","r");
2663.            if(ptrp_r==NULL)
2664.            {
2665.             printf("\n\t Can not open File! ");
2666.             exit(0);
2667.            }
2668.            system("cls");
2669.            gotoxy(15,10);
2670.            printf("Enter Date(dd-mm-yyyy):  ");
2671.            scanf("%d-%d-%d",&d,&m,&y);
2672.            system("cls");
2673.            gotoxy(20,50);
2674.            printf("Press Enter to go to REPORT MENU ...........");
2675.            t();
2676.            box();
2677.            lbox();
2678.            //textcolor(GREEN);
2679.            gotoxy(30,8);
2680.            printf("Purchase Report");
2681.            //textcolor(WHITE);
2682.            gotoxy(7,10);
2683.            printf("ID. Medicine Name.  Supplier Name.   Qty.  Rate.  Total.   Da
te");
2684.            gotoxy(7,12);
```

```c
2685.            printf("=============================================================
      ======");
2686.            j=14;
2687.            while(fscanf(ptrp_r,"%s %s %s %d %f %f %d %d %d\n",p_r.medi_id,p_r.me
      dir_name,p_r.supp_name,&p_r.qty,&p_r.rate,&p_r.total,&p_r.sDay,&p_r.sMonth,&p_r.sYe
      ar)!=EOF)
2688.            {
2689.             if(d==p_r.sDay &&m== p_r.sMonth && y==p_r.sYear)
2690.             {
2691.            gotoxy(6,j);
2692.            printf("%s",p_r.medi_id);
2693.            gotoxy(11,j);
2694.            printf("%s",p_r.medir_name);
2695.            gotoxy(28,j);
2696.            printf("%s",p_r.supp_name);
2697.            gotoxy(44,j);
2698.            printf("%d",p_r.qty);
2699.            gotoxy(50,j);
2700.            printf("%.2f",p_r.rate);
2701.            gotoxy(57,j);
2702.            printf("%.2f",p_r.total);
2703.            gotoxy(65,j);
2704.            printf("%d-%d-%d",p_r.sDay,p_r.sMonth,p_r.sYear);
2705.            j+=2;
2706.            total=total+p_r.total;
2707.             }
2708.            }
2709.            gotoxy(7,42);
2710.            printf("-------------------------------------------------------------
      ------");
2711.            gotoxy(45,43);
2712.            printf("Total:        %.2f",total);
2713.            getche();
2714.        }
```