|  |
| --- |
| #pragma once  #include<iostream>  using namespace std;  class date  {  int day, month, year;  public:  date()  {  day = 0;  month = 0;  year = 0;  }  date(int d,int m,int y)  {  day = d;  month = m;  year = y;  }  void getdate()  {  cout << "enter the day: ";  cin >> day;  cout << "enter the month: ";  cin >> month;  cout << "enter year: ";  cin >> year;  }  void showdate()  {  cout << "date: " << day << "/" << month << "/" << year << endl;  }  void isvalid()  {  if ((day > 0) && (day <= 31))  {  if ((month > 0) && (month <= 12))  {  if((year>0)&&(year<9999))  cout << "date is valid" << endl;  }  }  else  cout << "date is not valid" << endl;  }  bool operator >(date d)  {  return((day > d.day) ? true : false);  }  bool operator <(date d)  {  return((day < d.day) ? true : false);  }  bool operator <=(date d)  {  return((day <= d.day) ? true : false);  }  bool operator ==(date d)  {  return((day == d.day) ? true : false);  }  bool operator !=(date d)  {  return((day != d.day) ? true : false);  }  void operator -(date d)  {  int s;  if (day > d.day)  {  s = day - d.day;  }  else if (day < d.day)  {  s = d.day - day;  }  cout << "no of days between 2 dates are: " << s << endl;  }  int operator ++(int)  {  day++;  int d;  d = day;  return d;  }  int operator --()  {  day--;  int d;  d = day;  return d;  }  }; |

|  |
| --- |
| #include "date.h"  #include<iostream>  using namespace std;  int main()  {  date d,d1;  int t;  int choice,c;  cout << "## Menu ##" << endl  << "1: get date" << endl  << "2: show date" << endl  << "3: is valid" << endl  << "4: compare dates" << endl  <<"5: subtract dates"<<endl  << "6: increment " << endl  << "7: decrement" << endl  << "8: to exit" << endl  << "enter your choice: ";  cin >> choice;  switch (choice)  {  case 1:  {  d.getdate();  d1.getdate();  break;  }  case 2:  {  d.showdate();  d1.showdate();  break;  }  case 3:  {  d.isvalid();  d1.isvalid();  break;  }  case 4:  {  cout << "1: >" << endl  << "2: <" << endl  << "3: <=" << endl  << "4: ==" << endl  << "5: !=" << endl  << "enter your option: ";  cin >> c;  switch (c)  {  case 1:  {  if (d > d1)  cout << "date 1 is greater then date 2: " << endl;  else  cout << "date 2 is greater then date 1" << endl;  break;  }  case 2:  {  if (d < d1)  cout << "date 1 is smaller then date 2: " << endl;  else  cout << "date 2 is smaller then date 1" << endl;  break;  }  case 3:  {  if (d <= d1)  cout << "date 1 is smaller then or equal to date 2: " << endl;  else  cout << "date 2 is smaller then or equal to date 1" << endl;  break;  }  case 4:  {  if (d == d1)  cout << "date 1 is equal to date 2: " << endl;  else  cout << "date 2 is equal to date 1" << endl;  break;  }  case 5:  {  if (d != d1)  cout << "date 1 is not equal to date 2: " << endl;  else  cout << "date 2 is not equal to date 1" << endl;  break;  }  default:cout << "enter valid choice " << endl;  }  case 5: d - d1;  break;  }  case 6:  {  d++;  t = d++;  d.showdate();  cout << "date is: " << t << endl;  }  case 7:  {  --d;  t = --d;  d.showdate();  cout << "date is: " << t << endl;  }  case 8:  {  exit;  break;  }  }  system("pause");  return 0;  } |