BTTuan2/ Bài 1

PhanSo

- numerator: intdenominator: int
- + PhanSo(const int &numerator = 0, const int &denominator = 1): numerator(numerator), denominator(denominator)
- + PhanSo(const PhanSo &phanSo)
- + ~PhanSo()
- + operator+(const PhanSo &phanSo) const: PhanSo
- + operator-(const PhanSo &phanSo) const: PhanSo
- + operator*(const PhanSo &phanSo) const: PhanSo
- + operator/(const PhanSo &phanSo) const: PhanSo
- + friend operator<<(ostream &output, const PhanSo &phanSo): ostream&
- + friend operator>>(istream &input, PhanSo &phanSo): istream&
- + dinhGiaTri(): double

BTTuan2/ Bài 2

ComplexNum

- a: double
- b: double
- + ComplexNum(const double &a = 0, const double &b = 0): a(a), b(b)
- + ComplexNum(const ComplexNum &complexNum)
- + ~ComplexNum()
- + friend operator<<(ostream &output, const ComplexNum &complexNum): ostream&
- + friend operator>>(istream &input, ComplexNum &complexNum): istream&
- + operator+(const ComplexNum &complexNum) const: ComplexNum
- + operator-(const ComplexNum &complexNum) const: ComplexNum
- + operator*(const ComplexNum &complexNum) const: ComplexNum
- + operator/(const ComplexNum &complexNum) const: ComplexNum

BTTuan2/ Bài 3

Candidate

- candidateID: string
 fullName: string
 dateOfBirth: string
 mathTestScore: double
 literatureTestScore: double
 englishTestScore: double
- + Candidate(const string &candidateID = "20520864", const string &fullName = "Vincent Huynh", const string &dateOfBirth = "21/09/2002", const double &mathTestScore = 8, const double &literatureTestScore = 5, const double &englishTestScore = 5.5): candidateID(candidateID), fullName(fullName), dateOfBirth(dateOfBirth), mathTestScore(mathTestScore), literatureTestScore(literatureTestScore), englishTestScore(englishTestScore)
- + Candidate(const Candidate &candidate)
- + ~Candidate()
- + setCandidateID(const string &candidateID): Candidate&
- + setFullName(const string &fullName): Candidate&
- + setDateOfBirth(const string &dateOfBirth): Candidate&
- + setMathTestScore(const double &mathTestScore): Candidate&
- + setLiteratureTestScore(const double &literatureTestScore): Candidate&
- + setEnglishTestScore(const double &englishTestScore): Candidate&
- + getCandidateID() const: string
- + getFullName() const: string
- + getDateOfBirth() const: string

- + getMathTestScore() const: double
- + getLiteratureTestScore() const: double
- + getEnglishTestScore() const: double

TestCandidate

- candidate: vector<Candidate>
- static isTotalScoreGreaterThan15(const Candidate &candidate): bool
- static printCandidate(const Candidate &candidate): void
- + TestCandidate(): candidate()
- + TestCandidate(const TestCandidate &testCandidate)
- + ~TestCandidate()
- + inputNCandidates(const int &n): void
- + printCandidatesWithATotalScoreGreaterThan15() const: void

BTTuan2/ Bài 4

Point

- x: double
- y: double
- + Point(const double &x = 0, const double &y = 0): x(x), y(y)
- + Point(const Point &point)
- + ~Point()
- + setX(const double &x): Point&
- + setY(const double &y): Point&
- + set(const double &x, const double &y): Point&
- + getX() const: double
- + getY() const: double
- + translate(const pair<double, double> &vector): Point
- + friend operator>>(istream &input, Point &point): istream&
- + friend operator << (ostream & output, const Point & point): ostream &

BTTuan2/ Bài 5

TamGiac

- A: Point
- B: Point
- C: Point
- + TamGiac(): A(), B(), C()
- + TamGiac(const Point &A, const Point &B, const Point &C): A(A), B(B), C(C)
- + TamGiac(const TamGiac &tamGiac)
- + ~TamGiac()
- + friend operator>>(istream &input, TamGiac &tamGiac): istream&
- + friend operator << (ostream &output, const TamGiac &tamGiac): ostream&
- + translate(const pair<double, double> &vector) const: TamGiac
- + rotate(const double &angle) const: TamGiac
- + dilate(const double ×) const: TamGiac
- + contract(const double ×) const: TamGiac

BTTuan2/ Bài 6

DaGiac

- point: vector<Point>
- + DaGiac(): point()
- + DaGiac(const vector<Point> &point): point(point)
- + DaGiac(const DaGiac &daGiac)
- + ~DaGiac()
- + friend operator>>(istream &input, DaGiac &daGiac): istream&
- + friend operator<<(ostream &output, const DaGiac &daGiac): ostream&
- + translate(const pair<double,double> &vector) const: DaGiac

+ rotate(const double &angle) const: DaGiac+ dilate(const double ×) const: DaGiac+ contract(const double ×) const: DaGiac

BTTuan2/ Bài 7

Time

- hour: intminute: intsecond: int
- + Time(const int &hour = 0, const int &minute = 0, const int &second = 0): hour(hour), minute(minute), second(second)
- + Time(const Time &time)
- + ~Time()
- + friend operator>>(istream &input, Time &time): istream&
- + friend operator<<(ostream &output, const Time &time): ostream&
- + addOneSecond(): void