***CLASS DEFINITIONS***

class ACCOUNT

{

protected:

int password ;

string acc\_id ;

string name ;

string phone ;

float balance ;

string userid ;

ATM \*a ;

float rate\_interest ;

string transaction\_date ;

int number\_of\_trans ;

public :

string get\_id() ;

virtual void create()=0 ;

virtual void deduct(int , int)=0 ;

virtual void credit(int , int)=0 ;

virtual int atm\_exist()=0 ;

virtual void details(int)=0 ;

virtual void write()=0 ;

}

class SAVINGS : protected ACCOUNT

{

public :

void create() ;

void deduct(int , int) ;

void credit(int , int) ;

int atm\_exist() ;

void details(int) ;

void write() ;

}

class CURRENT : protected ACCOUNT

{

public :

void create() ;

void deduct(int , int) ;

void credit(int , int) ;

int atm\_exist() ;

void details(int) ;

void write() ;

}

class ATM

{

protected:

int atm\_num;

int atm\_password;

public :

ATM();

}

class ATM\_TRANSACTION : protected ATM , virtual protected SAVINGS ,

virtual protected CURRENT

{

protected :

Int check\_pass ;

int check\_atmnum ;

public :

int check\_details(int , int) ;

void deduct\_balance(int) ;

void details(string) ;

}

class LOAN : virtual protected SAVINGS , virtual protected CURRENT

{

protected :

string loan\_id ;

string acc\_id ;

float rat e\_interest ;

int num\_of Installments ;

int installments\_paid ;

float principle ;

float amount\_paid ;

string date ;

public :

virtual void update()=0 ;

virtual void details()=0 ;

virtual void create()=0 ;

}

class CAR : protected LOAN

{

protected :

float salary ;

public :

void update() ;

void details() ;

void create() ;

int check\_salary() ;

}

class EDUCATION : protected LOAN

{

protected :

float twelth\_marks ;

public :

void update() ;

void details() ;

void create() ;

int check\_marks() ;

}

class DD : virtual protected SAVINGS , virtual protected CURRENT

{

protected :

int dd\_num ;

string date ;

float amount ;

string from ;

string to ;

string acc\_id ;

public :

void update() ;

void print() ;

void details() ;

void check() ;

}

class LOCKER : virtual protected SAVINGS , virtual protected CURRENT

{

protected :

int locker\_num ;

string type ;

string acc\_id ;

float rent ;

string date ;

public :

void create() ;

void check() ;

void details() ;

void update() ;

}

class LOGIN : virtual private ATM\_TRANSACTION , virtual private CAR ,

virtual private EDUCATION , virtual private DD ,

virtual private LOCKER

{

protected :

string user\_id ;

string password ;

string acc\_id ;

public :

void check() ;

void cust\_screen() ;

void clerk\_screen() ;

}