Made By :

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1st problem :

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| Time.h |
| -Hour : int  -Minute : int  -Second: int |
| +Time()  +Time(a:int,b:int,c:int)  +setHour(x:int):void  + getHour () :int  +setMinute(y:int) : void  +getMinute() : int  +setsecond(s:int) : void  +getsecond():int  +DisplayHourandMinute() : void |

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| Millitime.h |
| -int milhour ;  -int milsecond |
| +Millitime(c:int,d:int)  + gethour() :int  +setseconds(int d) : void  +sethour(int c) : void  +changethetime() : void |

2nd problem

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| Ship.h |
| -name : string  -date\_of\_built : string |
| + Ship()  + Ship(a: string , b: string)  + setname(a: string):void  + setd\_o\_b(b: string ):void  + getname () : string  +getd\_o\_b():string  + display():virtual void |

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| Cruiseship.h:ship.h |
| -maximum\_number:int |
| + Cruiseship()  +Cruiseship (x:int, a:string )  +setmaximum\_number( x:int):void  + setname(a:string):void  + getname():string  + getmaximum\_number (): int  +display():void |

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| Cargoship.h:ship.h |
| -capacity:int |
| + Cargoship()  +Cargoship (x: int, a: string)  + setcapacity( x:int) :void  + getcapacity() :int  + setname(a:string): void  + getname():string  +display():void |

3rd problem

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| Total |
| -number\_of\_arrays:T  -running\_numbers:T |
| + Total()  +Total (x: T, a: T)  + set\_number\_of\_array(x:T ):void  + set\_running\_numbers( y:T ):void  + get\_number\_of\_array():T  + get\_running\_numbers():T  +total\_of\_numbers():T  +display():void  + total\_of():void |
| Template<class T> |
| - |
| + total\_of():T Total<T> |

4th problem

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| Array\_ |
| - number:int |
| + setnumber(numbers:int):void  + getnumber() :int  + cin1(a[]:Array\_):void  + print\_( a[]:Array\_):void  +print(): void |