LESSON Functions + mechanical Besign 1

DATE _____ of ____

Functions

In programming, functions are used

to execute communds truturill be

reported

4 good condidates for you:

turn commends,

formuly roverse , etc.

return function name (valltypp, varztype
type

orgune ts

Dexi Dink (Da);

int main &

PI'NK?

3

8 (mora) 3 miles 10.00

LED = !LED;

wait (0:2);

3

main code or in a sepunte file

DEX!

Main.CPP

movement, cpp

movement, h

Every additional file menont for main needs in header (. h) file

- prototypes
- of function file contains definitions of

Meetonical design axioms

Will provide helpful hints

as we so

accepted as true

you not code

Mechanical Design

ocommon desigh issues

- 1) Limited vertical travel make er gravity difficult to use as a motive force is need mechanisms or motures
- 2 objects can jam, especially if
 you vely on gravity, to feed trem
 to sorter/delivery

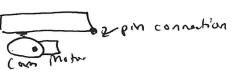
Axron 1 Cams provide degirable actuation qualitus connecting directly to motor shaft

DEX:

dumper p.W

consolate but requires a lotat torque LESSON Functions + Mechanical Design

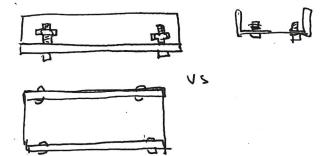
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tips enough without as much tarque

Ly acks mare relibbly.

T- Slotted bolts take up less space and are out of the way of object motion



Axiom 3 It is easier to change a program than it is to change had ware

is complete and conproduce desired results, you may want to try changing algorithm first.

DEX: dumper bin doesn't get all objects with twee of gravity

- formal reverse - survany - rotate actuations

Next time - more fondamentals then were axioms with examples