1
00:00:10,080 --> 00:00:19,990
congratulations

2
00:00:25,109 --> 00:00:23,029
ed from cary north carolina says most

3
00:00:26,950 --> 00:00:25,119
american households have a junk drawer

4
00:00:28,950 --> 00:00:26,960
space that collects miscellaneous stuff

5
00:00:30,390 --> 00:00:28,960
that we can find a better place for is

6
00:00:32,470 --> 00:00:30,400
there a storage space like that on the

7
00:00:34,150 --> 00:00:32,480
iss where do you guys operate under a

8
00:00:35,590 --> 00:00:34,160
place for everything and everything in

9
00:00:36,549 --> 00:00:35,600
its place roll

10
00:00:38,069 --> 00:00:36,559
well

11
00:00:40,630 --> 00:00:38,079
keeping track of stuff on the space

12
00:00:42,229 --> 00:00:40,640
station is a big job

13
00:00:44,549 --> 00:00:42,239

there's a lot of stuff up here it's a

14
00:00:46,229 --> 00:00:44,559
very big space station and yeah you're

15
00:00:47,990 --> 00:00:46,239
right we need to be able to find things

16
00:00:49,670 --> 00:00:48,000
right away when we need them

17
00:00:51,590 --> 00:00:49,680
so we have a database a very large

18
00:00:53,029 --> 00:00:51,600
database and we have

19
00:00:55,670 --> 00:00:53,039
everything everything that needs to be

20
00:00:57,430 --> 00:00:55,680
kept track of has a barcode and so in

21
00:00:59,349 --> 00:00:57,440
that sense it operates kind of like a

22
00:01:01,430 --> 00:00:59,359
department store or supermarket you know

23
00:01:03,349 --> 00:01:01,440
there's a barcode we can scan it we have

24
00:01:04,710 --> 00:01:03,359
barcodes on all the locations for things

25
00:01:06,310 --> 00:01:04,720
and we can scan things into their

26
00:01:07,750 --> 00:01:06,320
locations

27
00:01:09,830 --> 00:01:07,760
the ground there's a lot of work to keep

28
00:01:11,429 --> 00:01:09,840
up with this and

29
00:01:13,830 --> 00:01:11,439
you know it and it takes us a fair bit

30
00:01:15,510 --> 00:01:13,840
of time on orbit you know um this is

31
00:01:17,350 --> 00:01:15,520
something that we know we can improve on

32
00:01:19,429 --> 00:01:17,360
that could make things uh work better in

33
00:01:20,950 --> 00:01:19,439
the future and so like one idea that's

34
00:01:22,550 --> 00:01:20,960
come up is to have kind of like an

35
00:01:24,630 --> 00:01:22,560
automatic um

36
00:01:27,109 --> 00:01:24,640
automatic sensed uh

37
00:01:28,149 --> 00:01:27,119
sense a serial number tag uh so for

38
00:01:31,270 --> 00:01:28,159

example

39
00:01:34,310 --> 00:01:31,280
we we have a demonstration of this where

40
00:01:35,749 --> 00:01:34,320
a bag is full of stuff and really by

41
00:01:38,230 --> 00:01:35,759
just holding the bag in front of a

42
00:01:41,270 --> 00:01:38,240
device that can read that can read these

43
00:01:43,190 --> 00:01:41,280
tags um all everything inside the bag

44
00:01:45,270 --> 00:01:43,200
all these things so basically report

45
00:01:47,030 --> 00:01:45,280
their location and the device can

46
00:01:49,030 --> 00:01:47,040
say oh okay here's a list of 10 things

47
00:01:50,950 --> 00:01:49,040
that are in this bag not have an open in

48
00:01:52,630 --> 00:01:50,960
the bag

49
00:01:55,590 --> 00:01:52,640
ideally in the future it'd be great if

50
00:01:57,270 --> 00:01:55,600
you could just tag things and they know

51
00:01:58,389 --> 00:01:57,280
essentially where they are

52
00:01:59,670 --> 00:01:58,399
they've been assigned somewhere and as

53
00:02:01,030 --> 00:01:59,680
they move around

54
00:02:02,230 --> 00:02:01,040
if they they can report their own

55
00:02:03,590 --> 00:02:02,240
location

56
00:02:05,030 --> 00:02:03,600
i think in the future we'll see