## Interaction with Voice Assistant

2.	Did you ever use Google Home, Amazon Alexa or any other voice personal assistant? * Mark only one oval.
	Yes
	○ No
3.	Did you ever use voice assistant (such as- SIRI, Google Assistant, Cortana) in your mobile phone? *
	Mark only one oval.
	Yes
	○ No
4.	Approximately how long have you used Alexa or Google Home or other voice assistant? *  Mark only one oval.
	0 - 3 months
	3 - 12 months
	1 - 2 years
	2 - 3 years
	3+ years

## Classify Sensitive Voice Commands based on Functional Keyword

Sensitive voice commands are those if exploited they can do damage to the user by either accessing other's private information or hacking IoT devices. For example, "ask paypal to transfer \$50 to SAM". If people with bad intention, get access to the voice assistant, then they can make a transaction without letting the user known. Another example - "ask Smart Things to disarm my alarm with pin 1234", can be used for unauthorized access inside the home.

Now, you need to rank the voice command in most sensitive, sensitive, neutral, less sensitive, not sensitive. The representative keyword is highlighted inside the quote (" "). If you think the highlighted keyword is not representing the functionality then you can mention the other representative keyword in the "other" option.

	tell KIKO I want to "return" an item. * only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:
	, ask Assist Reminder to "clear". *
Mark C	only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:
	ask utah public meetings get todays meetings for "zipcode" 84111.*
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:
	ask Seamless to order "food". * only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:

	arm indoor in "stay" mode. *
Mark	only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:
	ask America's Got Talent to "vote" for Sherie. * only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:
*	, ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes
*	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes
*	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes only one oval.  Most Sensitive
*	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes only one oval.  Most Sensitive Sensitive
*	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes only one oval.  Most Sensitive Sensitive Neutral
*	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes only one oval.  Most Sensitive Sensitive Neutral Less Sensitive
*	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes only one oval.  Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive
*	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes only one oval.  Most Sensitive Sensitive Neutral Less Sensitive
Mark	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes only one oval.  Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:
* Mark  O  O  O  12. Alexa	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes only one oval.  Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:
* Mark  O  O  O  12. Alexa	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes only one oval.  Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:  ask GINA Talk to add "contact". *
* Mark  O  O  O  12. Alexa	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes only one oval.  Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:  ask GINA Talk to add "contact". *
* Mark  O  O  O  12. Alexa	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes only one oval.  Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:  ask GINA Talk to add "contact". * only one oval.  Most Sensitive
* Mark  O  O  O  12. Alexa	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes only one oval.  Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:  ask GINA Talk to add "contact". * only one oval.  Most Sensitive Sensitive
* Mark  O  O  O  12. Alexa	ask Check On Me to call me in 5 minutes to "initiate" the next check-up call in 5 minutes analy one oval.  Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:  ask GINA Talk to add "contact".*  only one oval.  Most Sensitive Sensitive Neutral

	, "sell" my house fast. * only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:
	, ask greenburgh sanitation what are you "picking" up today? only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	NOT Sensitive
	Other:, ask My Gold Wallet "list" my wallets. *
	Other:
	Other:, ask My Gold Wallet "list" my wallets. * only one oval.
	Other:  , ask My Gold Wallet "list" my wallets. * only one oval.  Most Sensitive
	Other:  , ask My Gold Wallet "list" my wallets. *  only one oval.  Most Sensitive  Sensitive
	other:  , ask My Gold Wallet "list" my wallets. *  only one oval.  Most Sensitive  Sensitive  Neutral
	Other:  , ask My Gold Wallet "list" my wallets. * only one oval.  Most Sensitive Sensitive Neutral Less Sensitive
Mark (	Other:  , ask My Gold Wallet "list" my wallets. * conly one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive  Not Sensitive  Other:
Mark of the second of the seco	Other:
Mark (	other:
Mark (	Other:  , ask My Gold Wallet "list" my wallets. * only one oval.  Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:  , ask device hub to playback "recorder" at 2 pm on yesterday. only one oval.  Most Sensitive
Mark (	other:
Mark of the second of the seco	other:

17. Alexa, ask my organizer to "add" my keys on the kitchen tab Mark only one oval.	le. *
Most Sensitive	
Sensitive	
Neutral	
Less Sensitive	
Not Sensitive	
Other:	
18. Alexa, "set" the Apple to 25 degrees. *  Mark only one oval.	
Most Sensitive	
Sensitive	
Neutral	
Less Sensitive	
Not Sensitive	
Other:	
19. Select all sports you enjoy watching on television. Click on to paying attention". *  Mark only one oval.	he 'Other' box and write "I'm
Most Sensitive	
Sensitive	
Neutral	
Less Sensitive	
Not Sensitive	
Other:	-
20. Alexa, show bedroom "camera". *  Mark only one oval.	
Most Sensitive	
Sensitive	
Neutral	
Less Sensitive	
Not Sensitive	
Other:	

21.		tell Geneva to "preheat" my oven to 350 degrees. * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
22.		"running" distance. * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
23.		ask Fridays to "place" an order. *
23.		ask Fridays to "place" an order. *
23.		ask Fridays to "place" an order. *
23.		ask Fridays to "place" an order. * only one oval.  Most Sensitive
23.		ask Fridays to "place" an order. * only one oval.  Most Sensitive Sensitive
23.		ask Fridays to "place" an order. *  only one oval.  Most Sensitive  Sensitive  Neutral
23.		ask Fridays to "place" an order. *  anly one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive
	Mark of	ask Fridays to "place" an order. *  only one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive  Not Sensitive
	Mark of	ask Fridays to "place" an order. *  Inly one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive  Not Sensitive  Other:  ask smart cat to "turn" on heater for three minutes. *
	Mark of	ask Fridays to "place" an order. *  only one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive  Not Sensitive  Other:  ask smart cat to "turn" on heater for three minutes. *  only one oval.
	Mark of	ask Fridays to "place" an order. *  Inly one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive  Not Sensitive  Other:  ask smart cat to "turn" on heater for three minutes. *  Inly one oval.  Most Sensitive
	Mark of	ask Fridays to "place" an order. *  Inly one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive  Not Sensitive  Other:  ask smart cat to "turn" on heater for three minutes. *  Inly one oval.  Most Sensitive  Sensitive
	Mark of	ask Fridays to "place" an order. *  Inly one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive  Not Sensitive  Other:  ask smart cat to "turn" on heater for three minutes. *  Inly one oval.  Most Sensitive  Sensitive  Neutral

25.		ask azuga, what is the position of the "vehicle" Michael. * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
26.		n my "way". * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
27.		tell my office that I'm "clocking" out now. *
27.		tell my office that I'm "clocking" out now. *
27.		tell my office that I'm "clocking" out now. * only one oval.
27.		tell my office that I'm "clocking" out now. * only one oval.  Most Sensitive
27.		tell my office that I'm "clocking" out now. * only one oval.  Most Sensitive Sensitive
27.		tell my office that I'm "clocking" out now. * only one oval.  Most Sensitive  Sensitive  Neutral
27.		tell my office that I'm "clocking" out now. * enly one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive
	Mark of	tell my office that I'm "clocking" out now. * only one oval.  Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive
	Mark of	tell my office that I'm "clocking" out now. * only one oval.  Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:  "buy" contact lenses with Discount Contacts. *
	Mark of	tell my office that I'm "clocking" out now.*  Inly one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive  Not Sensitive  Other:  "buy" contact lenses with Discount Contacts.*  Inly one oval.
	Mark of	tell my office that I'm "clocking" out now.*  Inly one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive  Not Sensitive  Other:  "buy" contact lenses with Discount Contacts. *  Inly one oval.  Most Sensitive
	Mark of	tell my office that I'm "clocking" out now. *  Inly one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive  Not Sensitive  Other:  "buy" contact lenses with Discount Contacts. *  Inly one oval.  Most Sensitive  Sensitive
	Mark of	tell my office that I'm "clocking" out now. *  Inly one oval.  Most Sensitive  Sensitive  Neutral  Less Sensitive  Not Sensitive  Other:  "buy" contact lenses with Discount Contacts. *  Inly one oval.  Most Sensitive  Sensitive  Neutral

29.		ask Quick Remote to go home, right, down and "select". * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
30.		open robot ipal for turn "left". * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
31.		tell myLink to raise Kitchen "Blinds". * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
32.	_	ten" my living room light by fifty percent. *
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:

33.		bedroom light to fifty percent * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
34.	_	ou tell me how Michelle "lost" all her weight? * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
35.		s the state of charge of my "battery"? * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
36.	-	"reorder" contacts with Discount Contacts. *
	- IVIGITA C	
		Most Sensitive Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:

37.		s my next "scheduled" payment? * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
38.		chen temperature to "seventy-five" degrees. * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
39.		e the balance of trantor "gift" cards * only one oval.
39.		<del>-</del>
39.		only one oval.
39.		Most Sensitive
39.		Most Sensitive Sensitive
39.		Most Sensitive Sensitive Neutral
39.		Most Sensitive Sensitive Neutral Less Sensitive
	Mark of	Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive
	Mark of	Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:
	Mark of	Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:  case" thermostat by forty degrees. *
	Mark of	Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:  case" thermostat by forty degrees. *  anly one oval.  Most Sensitive
	Mark of	Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:  case" thermostat by forty degrees. *  conly one oval.  Most Sensitive Sensitive
	Mark of	Most Sensitive Sensitive Neutral Less Sensitive Not Sensitive Other:  case" thermostat by forty degrees. *  anly one oval.  Most Sensitive Sensitive Neutral

41. Alexa, ask Make Appointment to "order" replacement contact Mark only one oval.	t lenses.*
Most Sensitive	
Sensitive	
Neutral	
Less Sensitive	
Not Sensitive	
Other:	
42. Alexa, ask Reliant what is my account "balance". *  Mark only one oval.	
Most Sensitive	
Sensitive	
Neutral	
Less Sensitive	
Not Sensitive	
Other:	_
43. set my thermostat to "seventy-two" degrees. *  Mark only one oval.	
Most Sensitive	
Sensitive	
Neutral	
Less Sensitive	
Not Sensitive	
Other:	
44. "unlock" the front door. *  Mark only one oval.	
Most Sensitive	
Sensitive	
Neutral	
Less Sensitive	
Not Sensitive	
Other:	

45.	y office "light" by fifty percent. * only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:
46.	ask Wunder Link what's in my "inbox"? * only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:
47.	ask zubie, how much gas does the "Honda" have? *
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	NOT Sensitive
	Other:
48.	
48.	Other:se the main "floor" temperature please. *
48.	Other:ese the main "floor" temperature please. * only one oval.
48.	Other: use the main "floor" temperature please. * only one oval.  Most Sensitive
48.	Other: use the main "floor" temperature please. * only one oval.  Most Sensitive Sensitive
48.	Other:  see the main "floor" temperature please. *  only one oval.  Most Sensitive  Sensitive  Neutral

49.	ask eero to find my "phone". * only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:
50.	tell Talkie to "send" message to Charlie and tell him I will be home. * only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:
51.	Ask SendPro meter to create a "shipment". * only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:
52.	ngoing "experiments". * only one oval.
	Most Sensitive
	Sensitive
	Neutral
	Less Sensitive
	Not Sensitive
	Other:

53.		ask deep drumpf give me most "liked" recent tweet from drumpf. * only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
54.	-	my rent. *
	Mark o	only one oval.
		Most Sensitive
		Sensitive
		Neutral
		Less Sensitive
		Not Sensitive
		Other:
55.		at is your age? * only one oval.
		17 or younger
		18 - 20
		21 - 25
		26 - 30
		31 - 35
		36 - 40
		41 - 45
		46 or older
56.		s your gender? * only one oval.
		Female
		Male
		Other

57. What is your highest education level that you have completed? *  Mark only one oval.				
No high school				
Some high school				
High school graduate				
Some college – No degree				
Associates / 2 year degree				
Bachelor / 4 year degree				
Graduate degree – Master, PhD, professional, medicine, etc				
58. Which of the following best describes your primary occupation? *  Mark only one oval.				
Administrative support (e.g., secretary, assistant)				
Art, writing, or journalism (e.g., author, reporter, sculptor)				
Business, management, or financial (e.g., manager, accountant, banker)				
Computer engineer or IT professional (e.g., systems administrator, programmer, IT consultant)				
Education (e.g., teacher)				
Engineer in other fields (e.g., civil engineer, bio-engineer)				
Homemaker				
Legal (e.g., lawyer, law clerk)				
Medical (e.g., doctor, nurse, dentist)				
Retired				
Scientist (e.g., researcher, professor)				
Service (e.g., retail clerks, server)				
Skilled labor (e.g., electrician, plumber, carpenter)				
Student				
Unemployed				
Decline to answer				
Other				