

## Query 2

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The client wants to calculate the distance (in miles) between two areas represented by two given ZIP codes.

query inputs		query outputs			
parameter	associated ontology concept	parameter	associated ontology concept		
firstZIPcode	address.owl# ZipCode	distanceMiles	geography.owl#DistanceMiles		
secondZIPcode	address.owl# ZipCode				
needed services					
service name	selected atomic processes				
ZipCodes.owl	GetCityAndState				
ZipCodes.owl	GetCityAndState				
GeographicLocations.owl	GetDistanceBetweenTwoCoordinates				
GeographicLocations.owl	GetCoordinatesByCityAndState				
GeographicLocations.owl	GetCoordinatesByCityAndState				
match details of query outputs					
output	produced by service	match degree	sim. value		
DistanceMiles	GeographicLocations.owl	exact match	1		
match details of auxiliary concepts					
aux. concept	produced by	matched concept	taken by	match degree	sim. value
city	ZipCodes.owl	cityName	GeographicLocations.owl	exact match	0,8
state	ZipCodes.owl	countryName	GeographicLocations.owl	exact match	0,75