NAME : Danush.L.P

ROLL NO : 20P309

SDE TASK 3

OUTPUTS

3.1

273.15,42

273.15,42,hello

273.15,42,hello,false,-4.6,87

3.2

Array : oxygen tanks,space suits,parrot,instrument manual,meal packs,space tether,security blanket

Popped Element : security blanket

Array : oxygen tanks,space suits,parrot,instrument manual,meal packs,space tether

Array : space suits,parrot,instrument manual,meal packs,space tether

Array : 1138,space suits,parrot,instrument manual,meal packs,space tether,20 meters

Final Array : 1138,space suits,parrot,instrument manual,meal packs,space tether,20 meters Array Length : 7

3.3

Array : 1138,space suits,parrot,keys,instrument manual,meal packs,space tether,20 meters

Array : 1138,space suits,parrot,keys,meal packs,space tether,20 meters

Array : 1138,space suits,cat,fob,string cheese,space tether,20 meters

3.4

Concatted Array : duct,gum,3.14,false,6.022e+23,orange drink,nerf toys,camera,42,parsnip

Slice of two Arrays : duct,gum,orange drink,nerf toys

Reverse of Arrays1 : 6.022e+23,false,3.14,gum,duct

Sorted Arrays2 : 42,camera,nerf toys,orange drink,parsnip

3.5

a)

str.split() : In space, no one can hear you code.

str.split(e) : In spac,, no on, can h,ar you cod,.

b)

arr.join() : B,n,n,5

arr.join('a') : Banana5

c)

ALPHABETS : w,a,t,e,r,,,s,p,a,c,e, ,s,u,i,t,s,,,f,o,o,d,,,p,l,a,s,m,a, ,s,w,o,r,d,,,b,a,t,t,e,r,i,e,s

water,space suits,food,plasma sword,batteries

3.6

a)

Elements reated and pushed into Table

b)

Table Structure : hydrogen,H,1.008,helium,He,4.003,iron,Fe,55.85

c)

Table[1] : helium,He,4.003

Table[1][1] : He

d)

Mass of element 1 : 1.008

Name of element 2 : helium

Symbol of element 3 : Fe