***DATA STUCTURES AND ALGORITHM***

***LAB-5***

**Object: Code a C++ program of Atlas of The World.**

**Code:**

#include<iostream>

#include<conio.h>

#include<string>

using namespace std;

void Pakistan(void);

void India(void);

void China(void);

void Saudi\_Arabia(void);

void Malaysia(void);

void main()

{

start:

string atlas[6]={"pakistan", "india", "china", "saudi arabia", "malaysia"};

cout<<"ATLAS OF THE WORLD";

cout<<"\n1) Pakistan";

cout<<"\n2) India";

cout<<"\n3) China";

cout<<"\n4) Saudi Arabia";

cout<<"\n5) Malaysia";

string name;

cout<<"\nEnter The Country Name: ";

getline(cin,name);

system("cls");

if(name==atlas[0])

{

Pakistan();

}

else if(name==atlas[1])

{

India();

}

else if(name==atlas[2])

{

China();

}

else if(name==atlas[3])

{

Saudi\_Arabia();

}

else if(name==atlas[4])

{

Malaysia();

}

else

{

cout<<"Invalid Input!!";

cout<<endl<<endl;

}

goto start;

getch();

}

void Pakistan()

{

cout<<"\t PAKISTAN";

cout<<"\nPakistan has 4 provinces. \n.)Sindh \n.)Punjab \n.)Balochistan \n.)Khyber Pakhtunkhwa \nIt has a total of 69 cities. \nPakistan total population is 207,774,520. \nThe capital of Pakistan is Islamabad. \nThe currency of Pakistan is Rupee.";

cout<<endl<<endl;

}

void India()

{

cout<<"\t INDIA";

cout<<"\nIndia has a total of 30 states and 7 union territories. \nThe current population of India is 1,348,378,280 \nIt has a total of 309 cities. \nThe capital of India is New Delhi. \nThe currency of Indian is Rupee.";

cout<<endl<<endl;

}

void China()

{

cout<<"\t CHINA";

cout<<"\nChina has 34 provinces. \nIt has a total of 228 cities. \nThe current population of China is 1,415,045,928. \nThe capital of China is Beijing. \nThe currency of China is Renminbi.";

cout<<endl<<endl;

}

void Saudi\_Arabia()

{

cout<<"\t Saudi Arabia";

cout<<"\nSaudi Arabia is divided into 13 regions. \nThe total number of cities in Saudi Arabia is around 91. \nThe capital of Saudi Arabia is Riyadh. \nIts total population is 33,554,343. \nThe currency of Saudi Arabia is Saudi Riyal.";

cout<<endl<<endl;

}

void Malaysia()

{

cout<<"\t MALAYSIA";

cout<<"\nThe current population of Malaysia in 2018 is 32,042,458. \nIts total number of cities are 13. \nMalaysia is a federation consisting of 13 states (Negeri) and 3 federal territories (Wilayah Persekutuan). \nThe capital of Malaysia is Kuala Lumpur. \nThe currency of Malaysia is Malaysian ringgit.";

cout<<endl<<endl;

}

Output:

