***Q1. Write a program in a function named q1, which takes the radius of a circle as input and calculates the area of the circle.***

***Solution:***

|  |
| --- |
| Void q1()  {  int radius;  float area;       cout<<” enter radius”<<endl;  cin>>radius;  area=3.14\*(radius\*radius);       cout<<” area of circle is :”<<area<<endl;  } |

***Q2. Write a program in a function named q2, which accepts temperature in Fahrenheit and print it in centigrade.***

***Solution:***

|  |
| --- |
| Void q2()  {     float c\_tmp, fh\_tmp;     cout<<”Enter temperature in Celsius:”<<endl;     cin>>c\_tmp;     fh\_tmp = (c\_tmp \* 9/5) + 32);     cout<<”Temperature in Fahrenheit is:”<<fh\_tmp;  } |

***Q3. Write a program in a function named q3, to calculate the volume of a sphere.***

***Solution:***

|  |
| --- |
| Void q3()  {  int rad1;  float volsp;  cout<<" Input the radius of a sphere : ";  cin>>rad1;  volsp=(4\*3.14\*rad1\*rad1\*rad1)/3;  cout<<" The volume of a sphere is : "<< volsp << endl;  } |

***Q4.*** ***Write a program in a function named q4, that stores basic information about employees, such as name, age, and job title, using appropriate data types. Allow users to input and display employee data.***

***Solution:***

|  |
| --- |
| Void q4()  {  String name, job\_title;  Int age;  cout<<" Enter your name: ";  cin>>name;  cout<<" Enter your job title: ";  cin>>job\_title;  cout<<" Enter your age: ";  cin>>age;  cout<<name<<job\_title<<age;  } |

***Q5. Write a program in a function named q5, to help users track their five daily travel expenses. Users can input expenses like food, transportation, and lodging, and the program calculates the total.***

***Solution:***

|  |
| --- |
| Void q5()  {  Int food, trans, lodg, groc, bill, total;  cout<<" Enter your Daily expenses : \n";  cin>>food>>tans>>lodg>>groc>>bill;  total= food+trans+lodg+groc+bill;  cout<<" Your todays total expense is:\n "<<total;  } |