Introduction to Computing

Lab Manual

ITC LAB 8

Faculty of Information Technology

UCP Lahore Pakistan

Lab 08	
Topic	**Review session**

Find the Errors in Following C++ Programs and write their output:

1.
```
#include<iostream.h>
#include<conio.h>
int main()
{

    cout<<"Hello Compiler, I am C++";
    getch();
}
```

2.
```
#include<iostream.h>
#include<conio.h>
int main()
{
    char str[20];
    cout<<"Enter your name : ";
    cin>>str;
    cout<<"Hello, "<<str<<" Sir, You are at codescracker.com";
    getch();
}
```

3.
```
int sum,sub,mult,div,module;
int a,b;
cout<<"Enter value of a ="
cin<<a;
cout<<"Enter value of b =;
cin<<b;
sum=a+b;
sub=a-bmult=a*b;
div=a/'b';
module=a%b;
```

4.
```
#include<iostream.h>
#include<conio.h>
void main()
{
    int num = 34;
    cout<<"Guess a Number : ";
```

```
if(num>10 && num<100)
    {
cout<<"What a mind!!";
}
    else
{           cout<<"Opps..!!";
}   getch();
}
```

5.
```
#include<iostream.h>
#include<conio.h>
void main()
{
    int a=10, b;
    cout<<"Enter 10:";
    cin>>b;
    if(b==a)
    {
            cout<<"What a good Employee!!";
    }
    else
    {
            cout<<"Sorry!, you are not selected..!!";
    }
    getch();
}
```
suppose user input value of b is 10.001

6.
```
if(Ascii_value_Variable>=97 & Ascii_value_Variable<=122)
{
cout<<"\nYou have entered a small letter";
}
elseif(Ascii_value_Variable>=65 && Ascii_value_Variable<=90)
{
{
cout<<"\nYou have entered a capital letter";
}
elseif (Ascii_value_Variable>=0 && Ascii_value_Variable>=47;
|| Ascii_value_Variable>=54 & Ascii_value_Variable<=64;
|| Ascii_value_Variable>=91 & Ascii_value_Variable<=96 ;
|| Ascii_value_Variable>=123 & Ascii_value_Variable<=127)
{
cout<<"\nYou have entered a special v_charac_varible";
```

```
}
}
elseif (Ascii_value_Variable>=47 & Ascii_value_Variable<=57)
cout<<"\nYou have entered a digit ";
}
}
```

7.
```
cout>>"please enter a sentences of your on choose: ";
cout>>"\n";
gets(Words);
for(number=0;Words[number]!='\0';++number)
{
if(Words[number]=='a' OR Words[number]=='e' OR Words[number]=='i' OR
Words[number]=='o'
OR Words[number]=='u' OR Words[number]=='A' OR Words[number]=='E' OR
Words[number]=='I'
OR Words[number]=='O' OR Words[number]=='U')
++vowel_words;
else if((Words[number]>='a'&& Words[number]<='z') O| (Words[number]>='A'&&
Words[number]
<='Z'))
++Consonants;
else if(Words[number]>='0' & Words[number]<='9')
++digit_words;
else if (Words[number]==' ')
++spaces;
}
```

8. The population of a town A is less than the population of town B. However, the population of town A is growing faster than the population of town B. Write a program that prompts the user to enter the population and growth rate of each town. The program outputs after how many years the population of town A will be greater than or equal to the population of town B and the populations of both the towns at that time. (A sample input is: Population of town A= 5000, growth rate of town A = 4%, population of town B=8000, and growth rate of town B = 2%.)