Bahria University, Karachi Campus



COURSE: CSC -113 Computing Programming lab TERM: SPRING 2020, CLASS: BCE- 2A

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Submitted By:

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Question 1:

Write a nested if statement to print the appropriate activity depending on the value of a variable temperature and humidity as in the table below: Assume that the temperature can only be warm and cold, and the humidity can only be dry and humid.

PROGRAM:

```
Enter humodity:
dry
play tennis
...Program finished with exit code 0
Press ENTER to exit console.
```

Question 2:

Generate Stars using nested for loops

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PROGRAM:

Question 3:

Generate Stars using nested for loops

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Question 4:

Generate stars using nested for loop?

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input

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```

Question 5:

Generate Stars using nested for loops

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PROGRAM:

input

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Question 6:

Write a program using nested loop print chap 1 to chap 5 each chapter contain 5 section.

PROGRAM:

```
chapter no 1
                                                                                              section:1
int main()
                                                                                             section:2
    int section,chap;
                                                                                              section:3
   for (chap=1;chap<=5;chap++)
{cout<<"chapter no "<<chap<<endl</tr>
for(int section=1;section<=5;section++)
{cout <<"section:"<<section<endl;}}</pre>
                                                                                             section:4
                                                                                             section:5
                                                                                             chapter no 2
                                                                                             section:1
                                                                                             section:2
                                                                                              section:3
                                                                                             section:4
                                                                                             section:5
                                                                                             chapter no 3
                                                                                              section:1
                                                                                             section:2
                                                                                             section:3
                                                                                             section: 4
                                                                                             section:5
                                                                                              chapter no 4
```

Question 7:

Print the time table of 1 to 9 using nested loop.(hint: you need to use an if-else statement to check whether the product is single-digit or double-digit) and print an additional space if needed.

```
3
                                                                                          8
                                                                                               9
                                                                           5
        ce std:
int main()
                                                                     8
                                                                           10 12
                                                             4
                                                                  6
                                                                                   14
                                                                                         16
                                                                                              18
                                                                     12
                                                             6
                                                                  9
                                                                           15
                                                                               18
                                                                                    21
                                                                                         24
                                                                                              27
    r(int i=1;i<=9;i++)
                                                             8
                                                                 12
                                                                     16
                                                                           20
                                                                               24
                                                                                    28
                                                                                         32
                                                                                              36
                                                            10
                                                                 15
                                                                     20
                                                                           25
                                                                               30
                                                                                    35
                                                                                        40
                                                                                              45
     for(int j=1;j<=9;j++)</pre>
                                                            12
                                                                    24
                                                                               36 42
                                                                                        48
                                                                                              54
                                                                 18
                                                                           30
        if(i*j<=9)
                                                                    28
                                                                          35
                                                                              42 49
                                                                                        56
                                                            14
                                                                 21
                                                                                              63
                                                            16
                                                                 24 32
                                                                         40 48 56 64
                                                                                              72
          cout<<" "<<ii*j;
                                                            18
                                                                 27 36 45 54 63 72
                                                                                              81
        else if(i*j>9)
          cout<<" "<<ii*j;
     cout<<"\n";
```

Question 8:

Write a program that inputs an integer larger than 1 and calculates the sum of squares from 1 to that integer. For example, if the integer equals 4, the sum of squares is 30 (1+4+9+16). The output should be the value of the integer and the sum, properly labeled. Continue the program till the user enters a value less than 1 which signals the end of the program. Use a do While statement.

```
Enter an Integer : 5
Value of Integer : 5
Sum of Squares from 1 to n = 55
do u want to continue press 1 or exit for 0 =
```

Question 9:

Write a program that takes an integer value and decide if it is even or odd. Continue asking for. numbers till the user enters a negative value. The program then displays the total number of even and odd integers given. Use do While statement.

```
include<iostream>
using namespace std;
int main()

{
    int n,i=0,j=0;
    do
     {
        cout<<"Enter number =";
        cin>>n;
        if(n*2==0)
        {
        cout<<"Even number"<<endl;
        i+=1;
        }
        else if(n*2==1)
        {
        cout<<"Odd Number"<<endl;
        j+=1;
        }
        cout<<"Total Even numbers = "<<i<endl;
        cout<<"Total odd numbers = "<<i >i < endl;
        cout<<"Total odd numbers = "<<i < endl;
        cout<< "Total odd numbers = "<<i < endl;
        cout<< "Total odd numbers = "<<i < endl;
        cout</pre>
```

```
Enter number =3
Odd Number

Enter number =2
Even number =0
Even number

Total Even numbers= 2
Total odd numbers= 1

...Program finished with exit code 0
Press ENTER to exit console.
```

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