## Programming Fundamentals

## LAB MANUAL7

## 

**Implementation of different programs using loops (for, while, do-while)**

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| --- |
| --1  #include<iostream>  using namespace std;  main()  {  Int i;  for(i=1;i<=20;i++)  {  cout<<"\*" <<endl;  }  cout<<endl<<i<<endl;  return 0;  } |

|  |
| --- |
| --2  #include<iostream>  using namespace std;  main()  {  cout<<endl;  for(inti=20;i>=0;i--)  cout<<"\*";  cout<<endl;  for(inti=0;i<=20;i++)  cout<<"\*";  cout<<endl;  for(inti=0;i<=20;++i)  cout<<"\*";  cout<<endl;  for(inti=20;i>=0;--i)  cout<<"\*";  getch();  } |

|  |
| --- |
| --03  #include<iostream>  using namespace std;  #include<iomanip>  main()  {  Int i;  cout<<endl<<endl;  int count=1;  for( i=1;i<=5;i++)  {  for(int j=1;j<=5;j++)  {  cout<<setw(5)<<count;  count++;  }  cout<<endl;  }  return 0;  } |

|  |
| --- |
| --04  #include<iostream>  using namespace std;  #include<iomanip>  main()  {  inti;  cout<<endl<<endl;  int count=1;  for( i=1;i<=5;i++)  {  for(int j=0;j<i;j++)  {  cout<<setw(5)<<"\*";  }  cout<<endl;  }  return 0;  } |

|  |
| --- |
| --05  #include<iostream>  using namespace std;  main()  {  for(inti=0; ;i++) //infinite loop without test expression  cout<<i<<endl;  return 0;  } |

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| --- |
| --06  #include<iostream>  using namespace std;  main()  {  for( ; ; ) infinite loop  cout<<"Hello World \t";  return 0;  } |

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| --- |
| --07  #include<iostream>  using namespace std;  main()  {  // factorial calculation  intnumb,fact=1;  cout<<"Enter number: ";  cin>>numb;  for(inti=numb; i>1; i--)  fact=fact\*i;  cout<<endl<<"\tFactorial of number is: "<<fact;  return 0;  } |

**TASK: 01**

Generate the following outputs using for loop:

