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| Q21 | C Program to Find Sum of the Series 1/1! + 2/2! + 3/3! + ……1/N! |
|  | #include"iostream"  using namespace std;  int factorial(int);  main()  {  float sum=0;  int i,n;  cout<<"\nEnter the limit:";  cin>>n;  for(i=1;i<=n;i++)  sum+=(float)i/factorial(i);  cout<<sum;  }  int factorial(int n)  {  int i,fact=1;  for(i=1;i<=n;i++)  fact\*=i;  return fact;  } |
| Q22 | Program to calculate L.C.M of two numbers. |
|  | #include "iostream"  using namespace std;  int lcm(int,int);  main()  {  int n1,n2,x;  cout<<"Enter two numbers:";  cin>>n1>>n2;  x=lcm(n1,n2);  cout<<x;  }  int lcm(int n1,int n2)  {  int x,y;  x=n1,y=n2;  while(n1!=n2)  {  if(n1>n2)  n1=n1-n2;  else  n2=n2-n1;  }  return x\*y/n1;  } |
| Q23 | Program to calculate G.C.D of any two numbers |
|  | #include "iostream"  using namespace std;  int gcd(int,int);  main()  {  int n1,n2,x;  cout<<"Enter two numbers:";  cin>>n1>>n2;  x=gcd(n1,n2);  cout<<x;  }  int gcd(int n1,int n2)  {  while(n1!=n2)  {  if(n1>n2)  n1=n1-n2;  else  n2=n2-n1;  }  return n1;  } |
| Q24 | Program to Reverse a string |
|  | #include "iostream"  using namespace std;  void strrev(char \*);  main()  {  char x[100];  cout<<"Enter a string :";  cin>>x;  strrev(x);  cout<<x;  }  void strrev(char \*x)  {  int len=strlen(x);  int i;  char temp;  for(i=0;i<len/2;i++)  {  temp=x[i];  x[i]=x[len-i-1];  x[len-i-1]=temp;  }  } |
| Q25 | Program to count number of words,vowels,digits and space present in string. |
|  | #include "iostream"  using namespace std;  main()  {  int word=0,space=0,digit=0,vowels=0,i;  char x[100];  cout<<"Enter a string :";  gets(x);  for(i=0;i<strlen(x);i++)  {  if(x[i]=='a' || x[i]=='A' || x[i]=='e' || x[i]=='E' || x[i]=='i' || x[i]=='I' || x[i]=='o' || x[i]=='O' || x[i]=='u' || x[i]=='U')  vowels++;  else  if(x[i]>=48 && x[i]<=57)  digit++;  else  if(x[i]==32) //space  space++;  }  word=space+1;  cout<<word<<endl;  cout<<space<<endl;  cout<<digit<<endl;  cout<<vowels;  } |