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| Q16 | Program to check the number is Prime number or not |
|  | #include "iostream"  using namespace std;  int check\_prime(int);  main()  {  int n,k;  cout<<"Enter a number:";  cin>>n;  k=check\_prime(n);  if(k==2)  cout<<"Prime";  else  cout<<"Not prime";  }  int check\_prime(int n)  {  int i=1,c=0;  while(i<=n)  {  if(n%i==0)  c++;  i++;  }  return c;  } |
| Q17 | Program to calculate Fibonacci series` |
|  | #include "iostream"  using namespace std;  int fibo(int);  main()  {  int n;  cout<<"Enter the number range:";  cin>>n;  fibo(n);  }  int fibo(int n)  {  int i=0,j=1,k=2,r,f;  cout<<i<<j;  while(k<n)  {  f=i+j;  i=j;  j=f;  cout<<j<< " ";  k++;  }  } |
| Q18 | Calculate the net salary looking at the following table  **Basic TA DA PF NET**  >=20000 500 200 200 ?  >=10000 200 300 100 ?  >=500 100 100 100 ? |
|  | #include "iostream"  using namespace std;  main()  {  int basic,ta,da,pf,net;  cout<<"Enter basic Salary :";  cin>>basic;  if(basic>=20000)  {  ta=500;  da=200;  pf=200;  }  else  if(basic>=10000)  {  ta=200;  da=300;  pf=100;  }  else  if(basic>=5000)  {  ta=100;  da=100;  pf=100;  }  else  {  cout<<"Invalid entry";  exit(0);  }  net=(basic+ta+da)-pf;  cout<<net;  } |
| Q19 | C Program to Display Pascal triangle |
|  | #include "iostream"  using namespace std;  long factorial(int);  int main()  {  int i, n, c;  cout<<"Enter the number of rows\n";  cin>>n;  for (i = 0; i < n; i++)  {  for (c = 0; c <= (n - i - 2); c++)  printf(" ");  for (c = 0 ; c <= i; c++)  cout<<factorial(i)/(factorial(c)\*factorial(i-c));  cout<<"\n";  }  return 0;  }  long factorial(int n)  {  int c;  long result = 1;  for (c = 1; c <= n; c++)  result = result\*c;  return result;  } |
| Q20 | Program to Find the Sum of Series 1 + 1/2 + 1/3 + 1/4 + … + 1/N |
|  | #include "iostream"  using namespace std;  main()  {  double n,sum=0;  int i;  cout<<"\n Please Give The Value of N: ";  cin>>n;  for(i=1;i<=n;i++)  {  sum = sum + (1/i);  if(i==1)  cout<<"\n 1 +";  else  if(i==n)  cout<<"1/"<<i;  else  cout<<"1/"<<i;  }  cout<<sum;  return 0;  } |