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| M.ABDULLAH  SE (A) 19F-0916  10/14/2019  PF Lab Assignment |

Question # 1:

#include <iostream>

using namespace std;

int main()

{

int i;

for (i=1;i<=10;i++)

{

cout<<i<<endl;

}

return 0;

}

With While loop:

#include <iostream>

using namespace std;

int main()

{

int i;

i=1;

while(i<=10)

{

cout<<i<<endl;

i++;

}

}

Question # 2:

#include <iostream>

using namespace std;

int main()

{

int i,sum=0;

for (i=1;i<=10;i++)

{

sum=sum+i;

}

cout<<"The total sum = "<<sum;

return 0;

}

Question # 3:

#include <iostream>

using namespace std;

int main()

{

int i,sum=0,n;

cout<<"Enter the number = ";

cin>>n;

for (i=1;i<=n;i++)

{

cout<<i<<endl;

sum=sum+i;

}

cout<<"The total sum = "<<sum;

return 0;

}

Question # 4:

#include <iostream>

using namespace std;

int main()

{

int i,n,sum=0,avg=0;

for(i=1;i<=10;i++)

{

cout<<"Enter a number = ";

cin>>n; 4

sum=sum+i;

}

cout<<"Sum of the given numbers = "<<sum<<endl;

avg=sum/10;

cout<<"Avg of the given numbers = "<<avg<<endl;

}

Question # 5:

#include <iostream>

using namespace std;

int main()

{

int i,n,cube=0;

cout<<"Enter a number = ";

cin>>n;

for(i=1;i<=n;i++)

{

cube=n\*n\*n;

}

cout<<"Cube of "<<n<<" is = "<<cube;

}

Question # 6:

#include <iostream>

using namespace std;

int main()

{

int i,n;

cout<<"Enter a number = ";

cin>>n;

for(i=1;i<=10;i++)

{

cout<<n<<" \* "<<i<<" = "<<n\*i<<endl;

}

}

Question # 7:

#include <iostream>

using namespace std;

int main()

{

int i,a,b;

cout<<"Enter a number = ";

cin>>a;

cout<<endl;

for(i=1;i<=a;i++)

{

for(b=1;b<=10;b++)

{

cout<<i<<" \* "<<b<<" = "<<i\*b<<", ";

}

cout<<endl<<endl;

}

}

Question # 8:

#include <iostream>

using namespace std;

int main()

{

int i,n,sum=0,mod=0;

cout<<"Enter a number = ";

cin>>n;

for(i=1;i<=n;i++)

{

mod=i%2;

if(mod!=0)

{

cout<<"The odd numbers is/are : "<<i<<endl;

sum=sum+i;

}

}

cout<<"The sum of odd number upto n terms "<<sum;

}

Question # 9:

#include <iostream>

#include <iomanip>

using namespace std;

int main()

{

int i,n;

cin>>n;

for(i=1;i<=n;i++)

cout<<setw(i)<<setfill('\*')<<"\n";

}

Question # 15:

#include <iostream>

using namespace std;

int main()

{

int i,n,f=1;

cout<<"Enter a number = ";

cin>>n;

for(i=1;i<=n;i++)

{

f=f\*i;

}

cout<<"Factorial of "<<n<<" is = "<<f;

}

Question # 16:

#include <iostream>

using namespace std;

int main() {

int i,x=0,sum=0;

cout<<"Enter the last number of sereis = ";

cin>>x;

for(i=1;i<=x;i++)

{

if(i%2==0)

{

sum=sum+i;

}

}

cout<<"Sum of even numbers till the given series is = "<<sum<<endl;

return 0;

}

Question # 21:

#include <iostream>

using namespace std;

int main() {

int i,x,sum=0,y;

cout<<"Enter the number of series = ";

cin>>x;

for(i=1;i<=x;i++)

{

y=i\*i;

sum=sum+y;

}

cout<<"The sum of square in till given series = "<<sum<<endl;

}

Question # 25:

#include <iostream>

using namespace std;

int main() {

int i,x,sum=0;

cout<<"The number divissible by 9 are = ";

for(i=100;i<=200;i++)

{

if(i%9==0)

{

cout<<i;

sum=sum+i;

cout<<endl;

}

}

cout<<"Sum of the number = "<<sum<<endl;

}