**SJF nonpreemptive:-**

#include<iostream>

#include<conio.h>

using namespace std;

int main()

{

int a[20],b[20],j,small,sum=0,sum2=0,w=0,e=0,p=0;

cout<<"ENTER THE NUMBER OF PROCESSES =";

cin>>j;

for(int i=1;i<=j;i++)

{

cout<<"P"<<i<<" = ";

cin>>a[i];

b[i]=i;

}

for(int i=1;i<=j;i++)

{

for(int k=(i+1);k<=j;k++)

{

if(a[k]<a[i])

{

int t = a[k]; int tt = b[k];

a[k] = a[i]; b[k] = b[i];

a[i] = t; b[i] = tt;

}

}

}

cout<<"Waiting time for \n\n";

for(int i=1;i<=j;i++)

{

cout<<"p"<<b[i]<<" = "<<sum<<"\n";

w=w+sum;

sum=sum+a[i];

}

cout<<"Average waiting time = "<<(w/j);

cout<<"\nTurnaround time for \n\n";

for(int i=1;i<=j;i++)

{

sum2=sum2+a[i];

cout<<"p"<<b[i]<<" = "<<sum2<<"\n";

e=e+sum2;

}

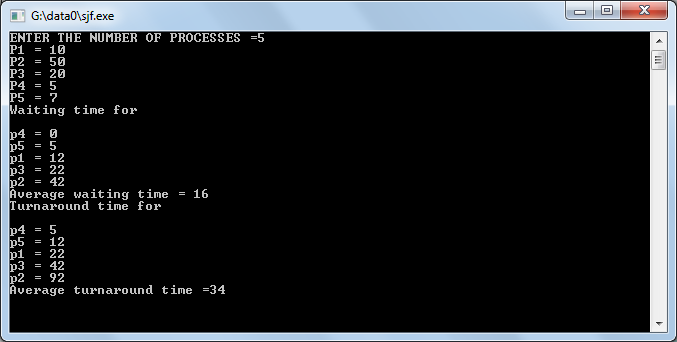
cout<<"Average turnaround time ="<<(e/j);

getch ();

return 0;

}

**OUTPUT:-**

****