T20 (IND vs SA)
1st of 5

In [19]:
```
from datetime import date
match_date = date(2022, 6, 9)
print("Date of the match is",match_date)
print("India vs South Africa")
toss_winner = "South Africa"
toss_decision = "bowl"
print(toss_winner,"won the toss and decided to",toss_decision)
Stadium = 'Arun Jaitley Stadium'
print(Stadium)
```

```
Date of the match is 2022-06-09
India vs South Africa
South Africa won the toss and decided to bowl
Arun Jaitley Stadium
```

India Scorecard

In [20]:
```
print("India _XI:")

playing_11=[
     'Ishan Kishan','Ruturaj Gaikwad','Shreyas Iyer' , 'Rishabh Pant (c & wk)' ,
    'Hardik Pandya' ,'Dinesh Karthik' , 'Axar Patel ', 'Harshal Patel' , 'Bhuvneshwar Kumar' ,
    'Yuzvendra Chahal' , 'Avesh Khan'
            ]

for i in playing_11:
  print(i)
```

```
India _XI:
Ishan Kishan
Ruturaj Gaikwad
Shreyas Iyer
Rishabh Pant (c & wk)
Hardik Pandya
Dinesh Karthik
Axar Patel
Harshal Patel
Bhuvneshwar Kumar
Yuzvendra Chahal
Avesh Khan
```

In [21]:
```
import numpy as np
import pandas as pd
from matplotlib import pyplot as plt
```

In [22]:
```
print("\nSCORECARD")
print("\n*** India ***")

player=['Ishan Kishan','Ruturaj Gaikwad','Shreyas Iyer' , 'Rishabh Pant (c & wk)' ,
        'Hardik Pandya' ,'Dinesh Karthik']

runs=[76,23,36,29,31,1]
bolls=[48,15,27,16,12,2]
fours=[11,0,1,2,2,0]
sixes=[3,3,3,2,3,0]
strike_rate=[158.33,153.33,133.33,181.25,258.33,50]
ind={"Batting":player,"R":runs,"B":bolls,"4s":fours,"6s":sixes,"S/R":strike_rate}
ind=pd.DataFrame(ind)
ind
```

```
SCORECARD

*** India ***
```

	Batting	R	B	4s	6s	S/R
0	Ishan Kishan	76	48	11	3	158.33
1	Ruturaj Gaikwad	23	15	0	3	153.33
2	Shreyas Iyer	36	27	1	3	133.33
3	Rishabh Pant (c & wk)	29	16	2	2	181.25
4	Hardik Pandya	31	12	2	3	258.33
5	Dinesh Karthik	1	2	0	0	50.00

In [23]:
```
ytb=['Axar Patel ', 'Harshal Patel' , 'Bhuvneshwar Kumar' , 'Yuzvendra Chahal' , 'Avesh Khan' ]
print("\nYet to bat:")
for i in ytb:
  print(i)
```

```
Yet to bat:
Axar Patel
Harshal Patel
Bhuvneshwar Kumar
Yuzvendra Chahal
Avesh Khan
```

SA Bowling

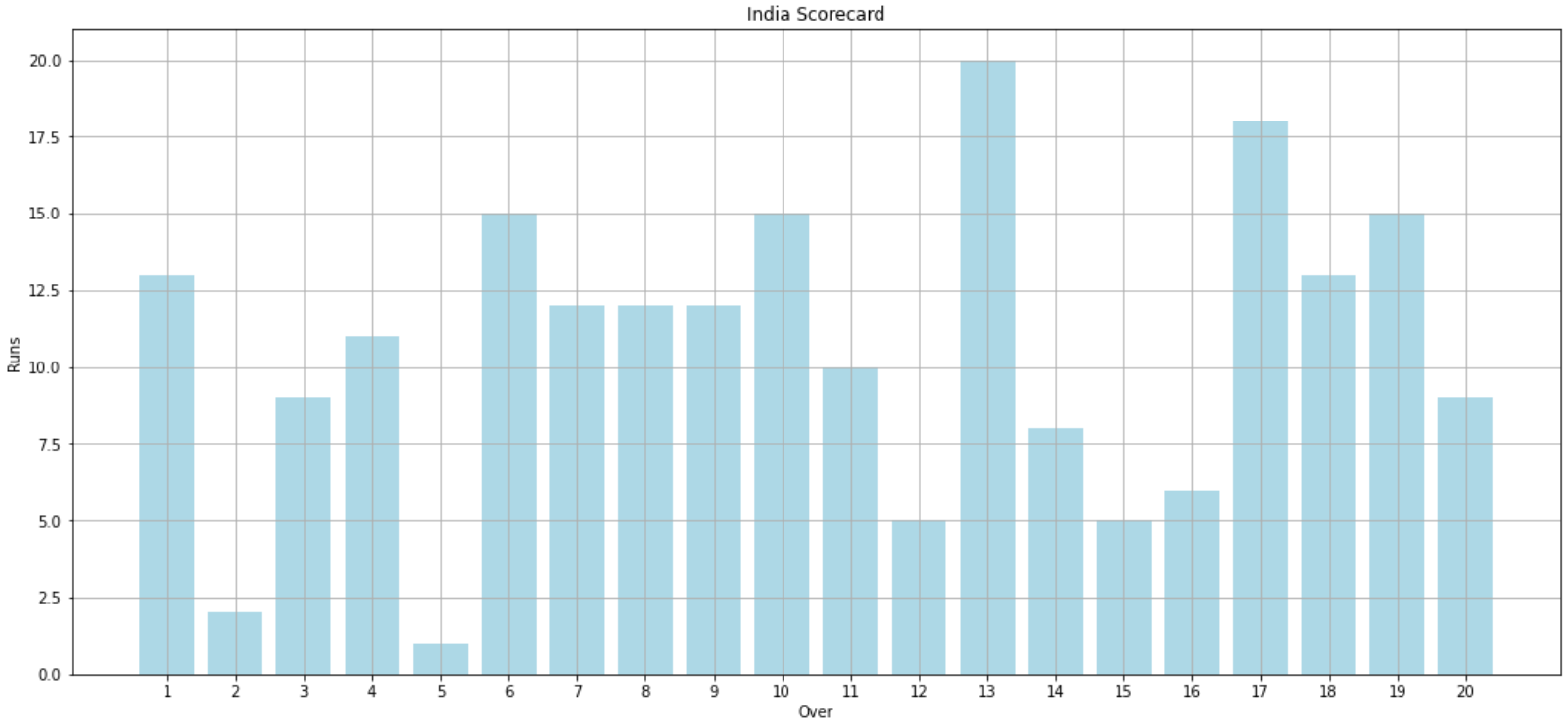
In [24]:
```
player=['Keshav Maharaj','Kagiso Rabada',' Anrich Nortje','Wayne Parnell',
        ' Tabraiz Shamsi','Dwaine Pretorius']

overs=[3.0,4.0,4.0,4.0,2.0,3.0]
M=[0,0,0,0,0,0]
Runs=[43,35,36,32,27,35]
wickets=[1,0,1,1,0,1]
econ=[14.33,8.75,9.00,8.00,13.50,11.67]
sa_bowl={"Bowling":player,"O":overs,"M":M,"R":Runs,"W":wickets,"Econ":econ}
sa_bowl=pd.DataFrame(sa_bowl)
sa_bowl
```

	Bowling	O	M	R	W	Econ
0	Keshav Maharaj	3.0	0	43	1	14.33
1	Kagiso Rabada	4.0	0	35	0	8.75
2	Anrich Nortje	4.0	0	36	1	9.00
3	Wayne Parnell	4.0	0	32	1	8.00
4	Tabraiz Shamsi	2.0	0	27	0	13.50
5	Dwaine Pretorius	3.0	0	35	1	11.67

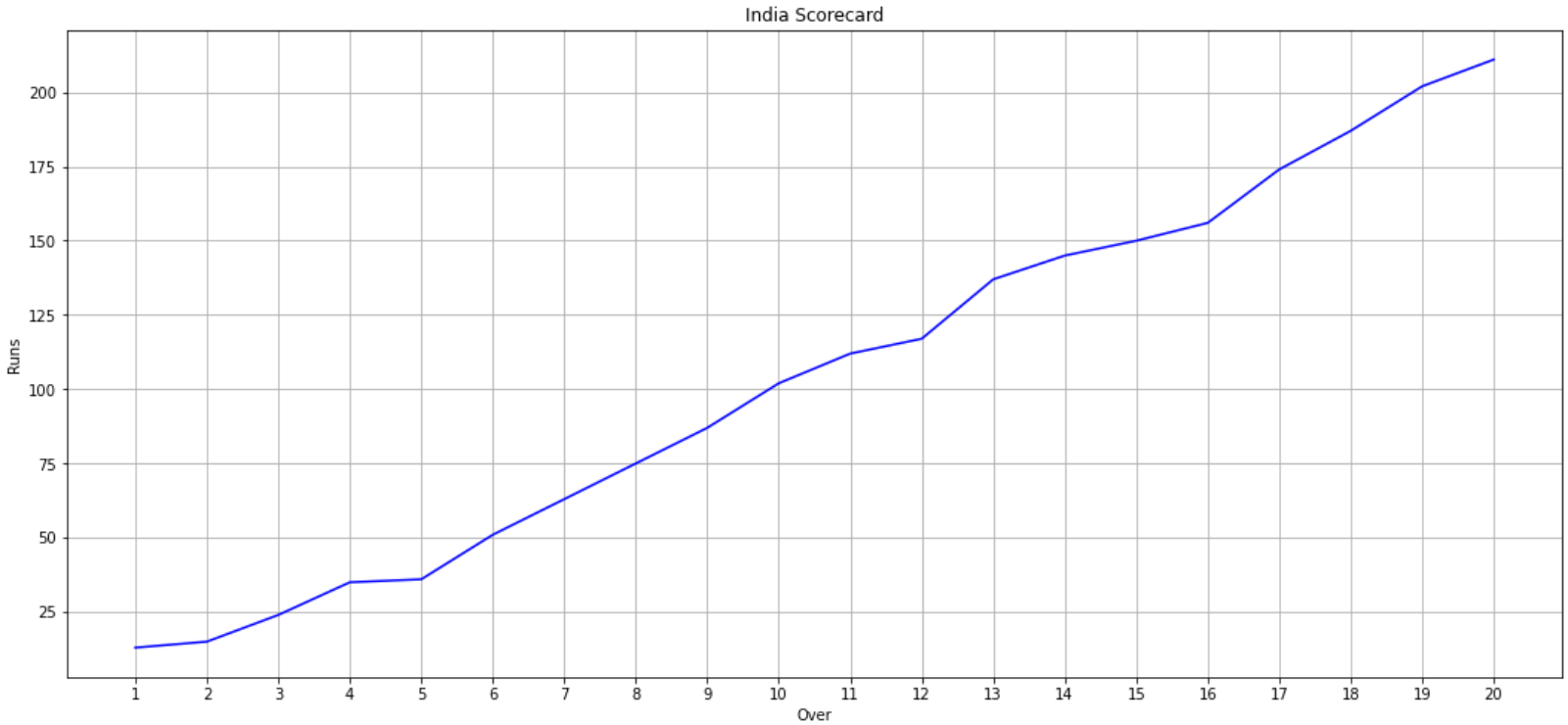
In [25]:
```
Buys=3


fours=sum(fours)
sixes=sum(sixes)
print("\nIND Total Fours:",fours)
print("\nIND Total Sixes:",sixes)
print("\nExtras:",sum(Runs)-sum(runs)+Buys)
print("\nTotal runs:",sum(Runs)+Buys)
```

```
IND Total Fours: 16

IND Total Sixes: 14

Extras: 15

Total runs: 211
```

In [26]:
```
# bar graph of scorecard
over = ['1','2','3','4','5','6','7','8','9','10','11','12','13','14','15','16','17','18','19','20']
runs = [13,2,9,11,1,15,12,12,12,15,10,5,20,8,5,6,18,13,15,9]
plt.figure(figsize=(18,8))
plt.bar(over,runs,color='lightblue')
plt.title("India Scorecard")
plt.xlabel("Over")
plt.ylabel("Runs")
plt.grid(True)
plt.show()
```



In [27]:
```
over = ['1','2','3','4','5','6','7','8','9','10','11','12','13','14','15','16','17','18','19','20']
runs = [13,15,24,35,36,51,63,75,87,102,112,117,137,145,150,156,174,187,202,211]
plt.figure(figsize=(18,8))
plt.plot(over,runs,color='blue')
plt.title("India Scorecard")
plt.xlabel("Over")
plt.ylabel("Runs")
plt.grid(True)
plt.show()
```



The Chase

- Second Inning

In [28]:
```
print("South Africa_XI:")
playing_11=[
    "Quinton de Kock (wk)", "Temba Bavuma (c)","Rassie van der Dussen", "David Miller",
    "Tristan Stubbs", "Wayne Parnell", "Dwaine Pretorius", "Keshav Maharaj", "Tabraiz Shamsi",
    "Kagiso Rabada","Anrich Nortje"
            ]
for i in playing_11:
  print(i)
```

```
South Africa_XI:
Quinton de Kock (wk)
Temba Bavuma (c)
Rassie van der Dussen
David Miller
Tristan Stubbs
Wayne Parnell
Dwaine Pretorius
Keshav Maharaj
Tabraiz Shamsi
Kagiso Rabada
Anrich Nortje
```

In [29]:
```
print("\nSCORECARD")
print("\n***South Africa***")

player=['Quinton de Kock','Temba Bavuma','Dwaine Pretorius','Rassie van der Dussen','David Miller']

runs=[22,10,29,75,64]
balls=[18,8,13,46,31]
fours=[3,2,1,7,4]
sixes=[0,0,4,5,5]
strike_rate=[122.22,125.00,223.08,163.04,206.45]
sa={"Batting":player,"R":runs,"B":balls,"4s":fours,"6s":sixes,"S/R":strike_rate}
sa=pd.DataFrame(sa)
sa
```

```
SCORECARD

***South Africa***
```

	Batting	R	B	4s	6s	S/R
0	Quinton de Kock	22	18	3	0	122.22
1	Temba Bavuma	10	8	2	0	125.00
2	Dwaine Pretorius	29	13	1	4	223.08
3	Rassie van der Dussen	75	46	7	5	163.04
4	David Miller	64	31	4	5	206.45

In [31]:
```
ytb=["Tristan Stubbs", "Wayne Parnell", "Keshav Maharaj", "Tabraiz Shamsi",
     "Kagiso Rabada","Anrich Nortje"]
print("\nYet to bat:")
for i in ytb:
  print(i)
```

```
Yet to bat:
Tristan Stubbs
Wayne Parnell
Keshav Maharaj
Tabraiz Shamsi
Kagiso Rabada
Anrich Nortje
```

Ind Bowling

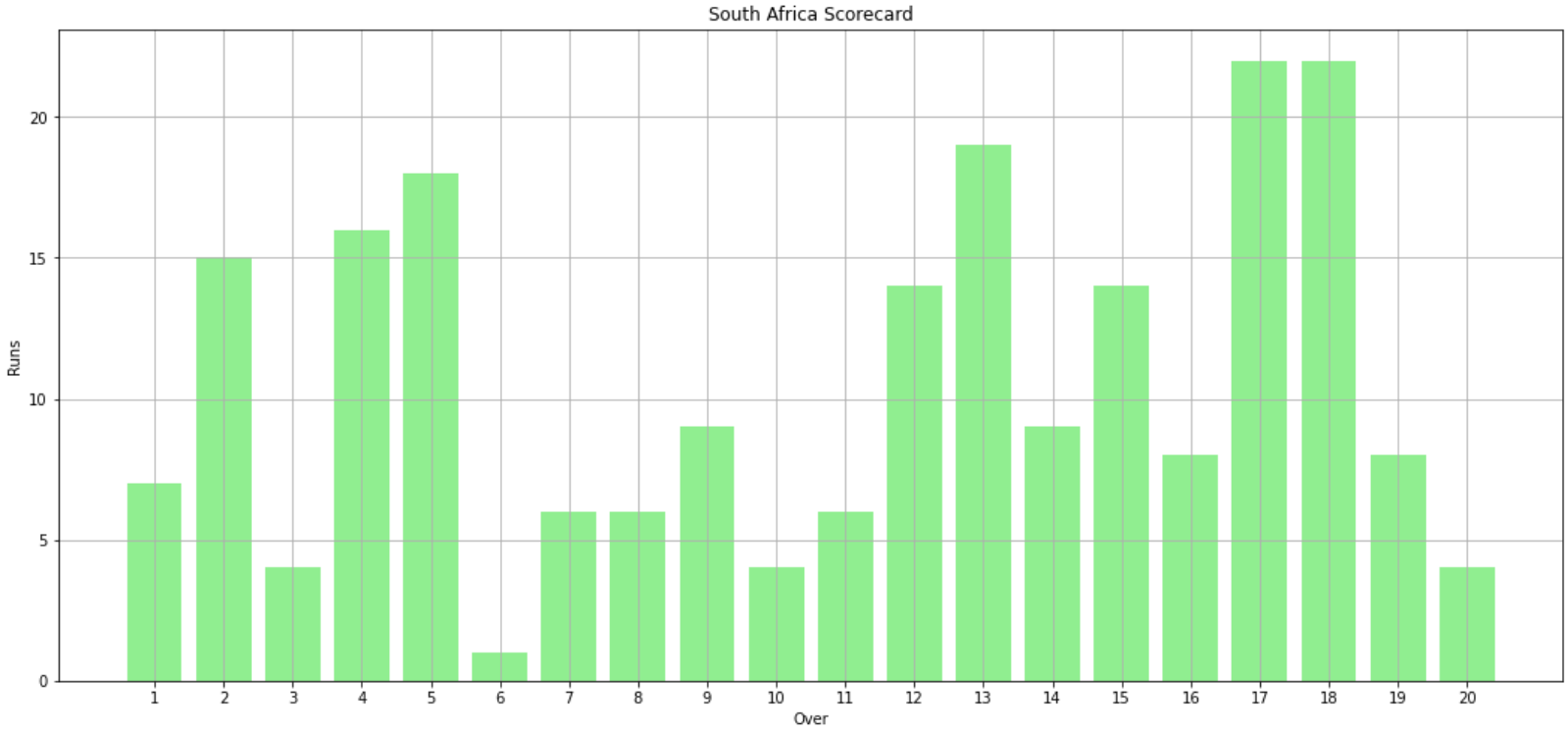
In [32]:
```
player=['Bhuvneshwar Kumar','Avesh Khan','Yuzvendra Chahal','Hardik Pandya',
        'Harshal Patel' ,'Axar Patel '    ]

overs=[4.0,4.0,2.1,1.0,4.0,4.0]
M=[0,0,0,0,0,0]
Runs=[43,35,26,18,43,40]
wickets=[1,0,0,0,1,1]
econ=[10.75,8.75,12.00,18.00,10.75,10.00]
ind_bowl={"Bowling":player,"O":overs,"M":M,"R":Runs,"W":wickets,"Econ":econ}
ind_bowl=pd.DataFrame(ind_bowl)
ind_bowl
```

	Bowling	O	M	R	W	Econ
0	Bhuvneshwar Kumar	4.0	0	43	1	10.75
1	Avesh Khan	4.0	0	35	0	8.75
2	Yuzvendra Chahal	2.1	0	26	0	12.00
3	Hardik Pandya	1.0	0	18	0	18.00
4	Harshal Patel	4.0	0	43	1	10.75
5	Axar Patel	4.0	0	40	1	10.00

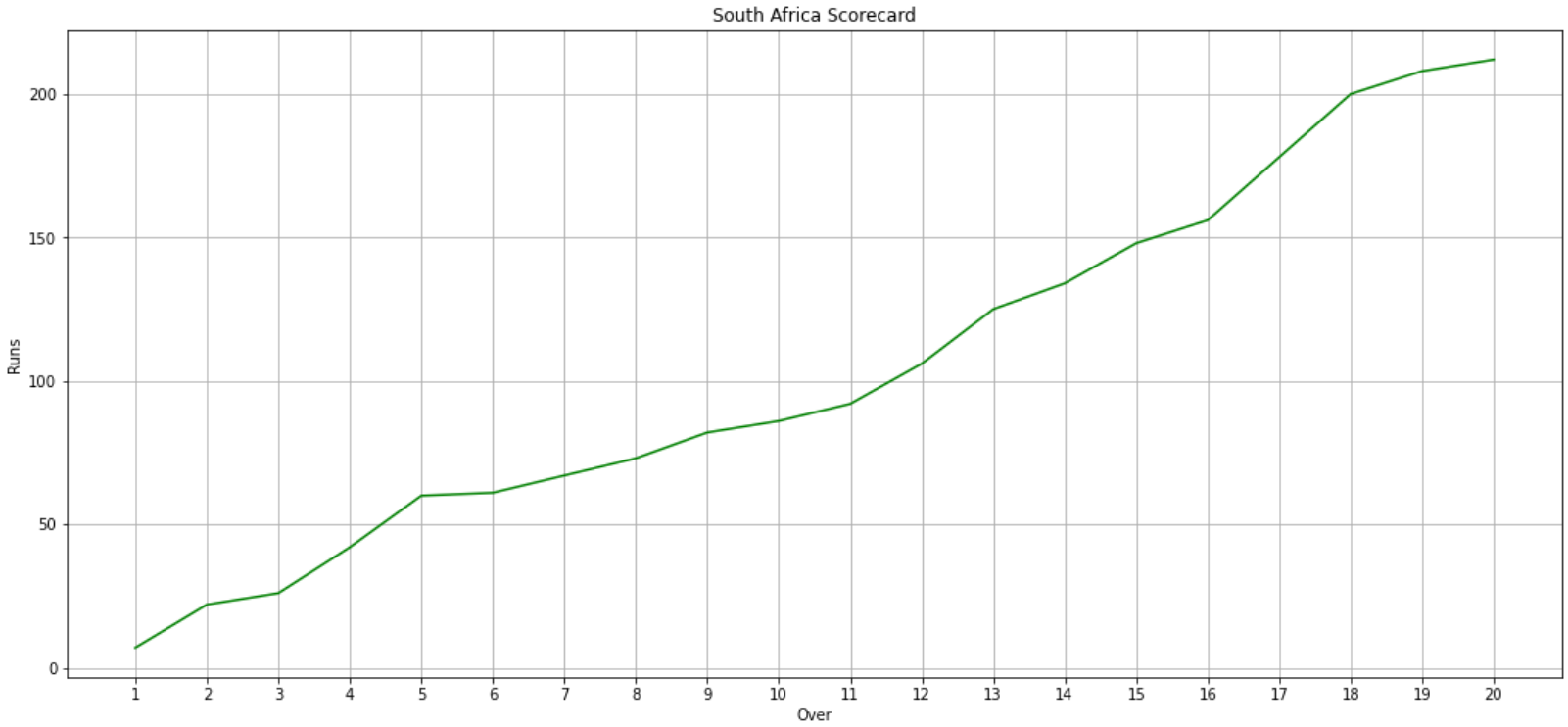
In [33]:
```
Buys=7


fours=sum(fours)
sixes=sum(sixes)
print("\nSA Total Fours:",fours)
print("\nSA Total Sixes:",sixes)
print("\nExtras:",sum(Runs)-sum(runs)+Buys)
print("\nTotal runs:",sum(Runs)+Buys)
```

```
SA Total Fours: 17

SA Total Sixes: 14

Extras: 12

Total runs: 212
```

In [34]:
```
# bar graph of scorecard

over = ['1','2','3','4','5','6','7','8','9','10','11','12','13','14','15','16','17','18','19','20']
runs = [7,15,4,16,18,1,6,6,9,4,6,14,19,9,14,8,22,22,8,4]
plt.figure(figsize=(18,8))
plt.bar(over,runs,color='lightgreen')
plt.title("South Africa Scorecard")
plt.xlabel("Over")
plt.ylabel("Runs")
plt.grid(True)
```



In [35]:
```
over = ['1','2','3','4','5','6','7','8','9','10','11','12','13','14','15','16','17','18','19','20']
Runs = [7,22,26,42,60,61,67,73,82,86,92,106,125,134,148,156,178,200,208,212]
plt.figure(figsize=(18,8))
plt.plot(over,Runs,color='green')
plt.title("South Africa Scorecard")
plt.xlabel("Over")
plt.ylabel("Runs")
plt.grid(True)
plt.show()
```



In [36]:
```
win = "SA won by 7 wickets (5 balls left)"
print(win)
```

```
SA won by 7 wickets (5 balls left)
```

In [37]:
```
print("David Miller 64(31) is the player of the match")
```

```
David Miller 64(31) is the player of the match
```

In [ ]: