1st Code: Hello World

```
void setup() {
  // put your setup code here, to run once:
Serial.begin(9600);
Serial.println("Hello World! My name is ....");
Serial. println("He is my classmate.");
}

void loop() {
  // put your main code here, to run repeatedly:
}
```

2nd code: Sum

```
int num1;
int num2;
int sum;
void setup() {
Serial.begin(9600);
num1=58;
num2=76;
sum=num1+num2;
Serial.println("The sum is: ");
Serial.println(sum);
}

void loop() {
}
```

3rd code: ATM PIN

```
int a;
int b;
void setup() {
Serial.begin(9600);
a=7896; // this is the pin of the ATM
Serial.println("Enter your pin: ");
while(!Serial.available());
b=Serial.parseInt();
Serial.println("You entered the pin: ");
Serial.println(b);
if(b==a){
  Serial.println("Your pin is CORRECT");
}
else{
  Serial.println("Your pin is WRONG");
}
}

void loop() {

}
```

4th code: Grades: Control

```
int m;
void setup() {
Serial.begin(9600);
Serial.println("Please enter your marks: ");
while(!Serial.available());
m=Serial.parseInt();
Serial.println("You have entered the marks: ");
Serial.println(m);
if(m>=90){
  Serial.println("Grade A");
}

if(m>=70 && m<90){
  Serial.println("Grade B");
}
if(m>=50 && m<70){
  Serial.println("Grade C");
}
if(m<50){
  Serial.println("Grade D");
}
}

void loop() {
}
```

5th code: Interactive sum of two numbers

```
int a,b,sum;
void setup() {
Serial.begin(9600);
Serial.print("Enter First number: ");
  while(!Serial.available());
  a=Serial.parseInt();
  Serial.println(a);
  Serial.setTimeout(100000);
  Serial.print("Enter Second number: ");
  while(!Serial.available());
  b=Serial.parseInt();
  Serial.println(b);

  sum=a+b;

   Serial.println("Sum is: ");
 Serial.print(sum);
  Serial.print("-------------------------");

}

void loop() {
}
```